

SERVICE
MANUAL

PM730

marantz®

model PM730

Stereo Pre Main Amplifier

MARANTZ DESIGN AND SERVICE

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2. Complete part numbers and quantities required
3. Description of parts
4. Model number for which part is required
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Parts may be ordered from the following addresses:

EUROPE

MARANTZ S.A. European Parts Department 2, Avenue Léopold III B-7120 Péronnes-lez-Binche Belgium Telex: 57589	MARANTZ GERMANY GMBH Max Planckstrasse, 22 6072 DREIEICH 1 West Germany Telex: 4185316	MARANTZ FRANCE 4 Rue Bernard Palissy 92600 Asnières France Telex: 611651	MARANTZ DENMARK Bregnerødvej 132b 3460 Birkerød Denmark Telex: 39137	MARANTZ GMBH AUSTRIA Wiedner Hauptstrasse 98 1050 Wien Austria Telex: 113583
MARANTZ S.A. 326 Avenue Louise Bte 32 1050 Brussels Belgium Telex: 26602	MARANTZ NORSKE A.S. Refstadalleen 13 Oslo 5 Norway Telex: 19659	MARANTZ AUDIO U.K. LTD. Unit 15/16 Saxon Way Industrial Estate Moor Lane Harmondsworth UB7 OLW Great Britain Telex: 935196	MARANTZ BELGIUM 45 Rue Auguste Van Zande 1080 Brussels Belgium	MARANTZ SVENSKA A.B. Svartviksvangen 56 Traneberg - Box 12016 16112 Bromma Sweden Telex: 13449

AUSTRALIA

MARANTZ AUSTRALIA PTY., LTD.
32 Cross Street
Brookvale, N.S.W. 2100
Australia
Telex: 24121

U.S.A.

MARANTZ COMPANY, INC.
National Service Dept.
P.O. Box 577
Chatsworth, CA 91311
U.S.A.
Telex: 4720284

CANADA

SUPERSCOPE CANADA, LTD.
3710 Nashua Drive
Mississauga
Ontario, Canada L4V 1M5

JAPAN

MARANTZ JAPAN, INC.
35-1, 7-chome, Sagamiono
Sagamihara-shi, Kanagawa
Japan
Telex: 22878

All of the above locations are fully equipped to take care of your total service needs. Because various countries have differing configuration requirements, it is necessary that you contact the service facility in your particular country. In the event that there is no service location listed for your country, please, contact the nearest facility for the necessary assistance.

In case of difficulties, do not hesitate to contact the Technical Department at abovementioned address.

NOTE-FOR U.S.A. ONLY

Parts for your MARANTZ stereo are generally available within 72 hours throughout the nation via a toll-free line to our National Parts Depot in California. The sales professionals who take your call immediately refer to their own desk top computer terminal and can quickly determine the availability and price information you require. If, for some reason, your order should exceed our available stock, we usually can instantly provide an alternate replacement part or current delivery information. When the order is placed and confirmed, the computer simultaneously generates "hard copy" orders at the distribution center. As hard copies come directly from the computer to the national parts depot, your requested stock is assembled and prepared for shipment and placed on the first available carrier for delivery to you.

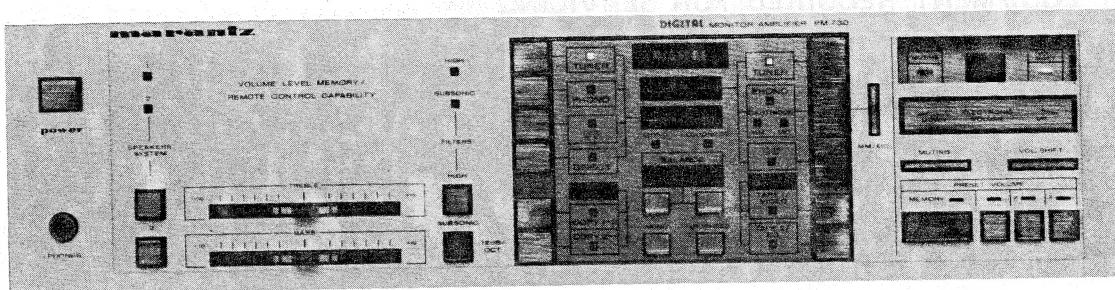
Phone orders will eliminate mail delays, and we encourage the use of this method. If you order by mail, use MARANTZ parts order forms which are available from SUPERSCOPE NATIONAL PARTS DEPARTMENT.

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MODEL PM730 STEREO PRE MAIN AMPLIFIER



INTRODUCTION

This service manual was prepared for use by Authorized Warranty Stations and contains service information for the Marantz Model PM730 Stereo Pre Main Amplifier.

Servicing information and voltage data included in this manual are intended for use by knowledgeable and experienced personnel only. All instructions should be read carefully. No attempt should be made to proceed without a good understanding of circuitry operation.

The parts list furnishes complete ordering information. Most replacement parts should be ordered from the Marantz Company. However, a simple description is included for parts which can be obtained locally.

1. SHOCK FIRE HAZARD SERVICE TEST

CAUTION: After servicing this appliance and prior to returning to customer, measure the resistance between either primary AC cord connector pins (with unit NOT connected to AC mains and its Power switch ON), and the face or front Panel of product and chassis bottom.

Any resistance measurement less than 1 Megohms should cause unit to be repaired or corrected before AC power is applied, and verified before return to user/customer.

REF UL Standard No. 1270. Para. 66. 3. D (Mandatory Test after servicing Electrical Appliances, effective 7-1-83).

2. P.W. BOARDS

As can be seen from the circuit diagram the chassis of Model PM730 consists of the following units. Each unit mounted on a printed circuit board is described within the square enclosed by a bold dotted line on the circuit diagram.

1. Main Amp mounted on P.W. Board P700
2. Tone Control Amp mounted on P.W. Board PE00
3. Function/Volume mounted on P.W. Board PS00
4. Logic Control mounted on P.W. Board PL00
5. Speaker Output mounted on P.W. Board PW00
6. Speaker Switch mounted on P.W. Board PT00
7. Speaker LED mounted on P.W. Board PT50
8. Power Switch mounted on P.W. Board P000
9. Head Phone mounted on P.W. Board PW50
10. Front LED Switch mounted on P.W. Board PY00

3. TEST EQUIPMENT REQUIRED FOR SERVICING

This table lists the test equipment required for servicing the Model PM730 Stereo Pre Main Amplifier.

Item	Use
Distortion Analyzer	Distortion measurements
Audio Oscillator	Sinewave and squarewave signal source
AC VTVM	Voltage measurements (AC)
Oscilloscope	Waveform analysis and trouble shooting and ASO alignment
Circuit Tester	Trouble shooting
DC VTVM	Voltage measurements (DC)
AC Wattmeter	Monitors primary power to amplifier
Line Voltmeter	Monitors potential of primary power to amplifier
Variable Autotransformer (0 ~ 140V AC, 10A)	Adjust level of primary power to amplifier
Shorting Plug	Shorts amplifier input to eliminate noise pickup

4. MICRO COMPUTER

- a. Apart from the power switch, speaker selector switch, tone control and volume control, all the functions on the front panel are controlled via a microcomputer consisting of 2 parts — LN6416E (QL11) and LC6502 (QL09).
The EASY/REMOTE signals are also processed by the microcomputer.
- b. By backing up the microcomputer with capacitor, it is possible to maintain the unit in the condition it was prior to switching the power OFF for approx. 2 hours. If the back-up voltage drops below V2/2 (approx.

2.5 V), the unit returns to its original condition (Position: Tuner Direct, Volume: "00" and all other functions OFF).

- c. There are 2 built-in volume memories — a relative volume memory which makes use of the special features of the microcomputer, and an absolute volume memory:

Relative volume memory —

Can compensate the level difference between PHONO, TUNER and CD.

Absolute volume memory —

Can memorize 3 arbitrary points on the volume scale.

5. LED MATRIX ARRANGEMENT TABLE

SEG SCAN \	0	1	2	3	4	5	6
0	1' DIGIT a	1' DIGIT b	1' DIGIT c	1' DIGIT d	1' DIGIT e	1' DIGIT f	1' DIGIT G
1	10' DIGIT a	10' DIGIT b	10' DIGIT c	10' DIGIT d	10' DIGIT e	10' DIGIT f	10' DIGIT G
2	FUNCTION TUNER	FUNCTION PHONO	FUNCTION AUX	FUNCTION TAPE 1	FUNCTION TAPE 2		
3	REC MODE DIRECT	REC MODE TUNER	REC MODE PHONO	REC MODE AUX	REC MODE COPY 1 → 2	REC MODE COPY 2 → 1	
4		MUTING ON	LEVEL MEMORY	LEVEL PRESET 1	LEVEL PRESET 2	LEVEL PRESET 3	
5						BALANCE CENTER	
6	LACTH OUT LOW FILTER	LACTH OUT HIGH FILTER	TACTH OUT MONO		LACTH OUT MM	LACTH OUT MC	LACTH OUT LOUDNESS

6. KEY MATRIX ARRANGEMENT TABLE

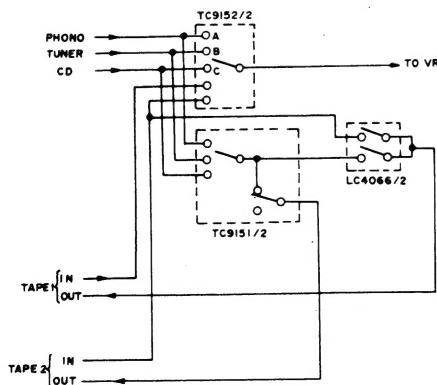
DIN SCAN \	0	1	2	3	4	5
0	BALANCE L	BALANCE R		VOLUME UP		VOLUME DOWN
1	MUTING		LEVEL MEMORY	LEVEL PRESET 1	LEVEL PRESET 2	LEVEL PRESET 3
2	FUNCTION TAPE 2		FUNCTION TUNER	FUNCTION PHONO	FUNCTION AUX	FUNCTION TAPE 1
3	REC MODE COPY 1 → 2	REC MODE COPY 2 → 1	REC MODE DIRECT	REC MODE TUNER	REC MODE PHONO	REC MODE AUX
4						
5						
6	LATCH OUT MM/MC	LATCH OUT LOUDNESS	LATCH OUT LOW FILTER	LATCH OUT HIGH FILTER	LATCH OUT MONO	

7. PHONO AMP

An FET differential input stage is installed in the primary stages of the OP Amp in order to improve the S/N ratio. For MC/MM selection, input impedance and gain is varied by means of a plunger switch.

8. INPUT SELECTOR SECTION

- This section, as shown in the diagram below, consists of 3 analog switches – TC9152P (QS02) for the input selector, TC9151P (SQ01) and LC4066 (QS06) for the Rec selector.
- When the Rec Selector Direct is ON, contacts A, B, C of TC9152P and TC9151P are interlocked, and the mode can be selected by means of the Input Selector Switch.
- An additional back-up is provided at Tape Out, which protects the analog switches when the output terminals are shorted and nullifies the effect of tape deck impedance on the unit.
- When changing the input selector, the Mute signal from pin 5 of TC9152P mutes the volume circuit in the next stage.



9. VOLUME SECTION

- Consists of 3 IC's – electronic volume TC9154 (QG01), analog switch LC4066 (QG03) and the OP Amp NJM4560 (QG02, QG04). The level diagram for the max. peak signal at this stage is given in Fig A. As the electronic volume has a low breakdown voltage (± 6 V), there is an attenuation of 10dB in the input stage so as to avoid applying a signal greater than the power supply voltage to the electronic volume, but this is later compensated by an arrangement which economizes 10dB in sensitivity. Also, when listening at low output levels, the S/N ratio is improved with the volume shift OFF.
- The electronic volume is controlled by a serial code from the microcomputer. Balance is controlled by operating left and right channels separately in the microcomputer.

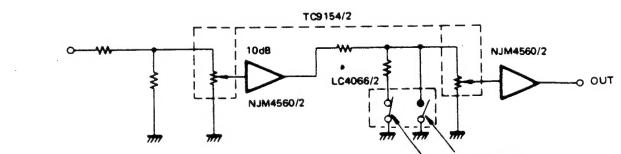


Fig A

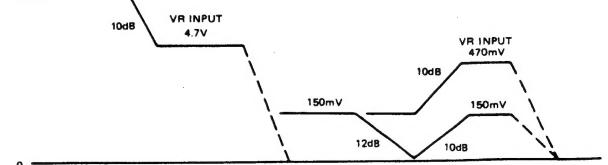


Fig B

10. TONE CONTROL SECTION

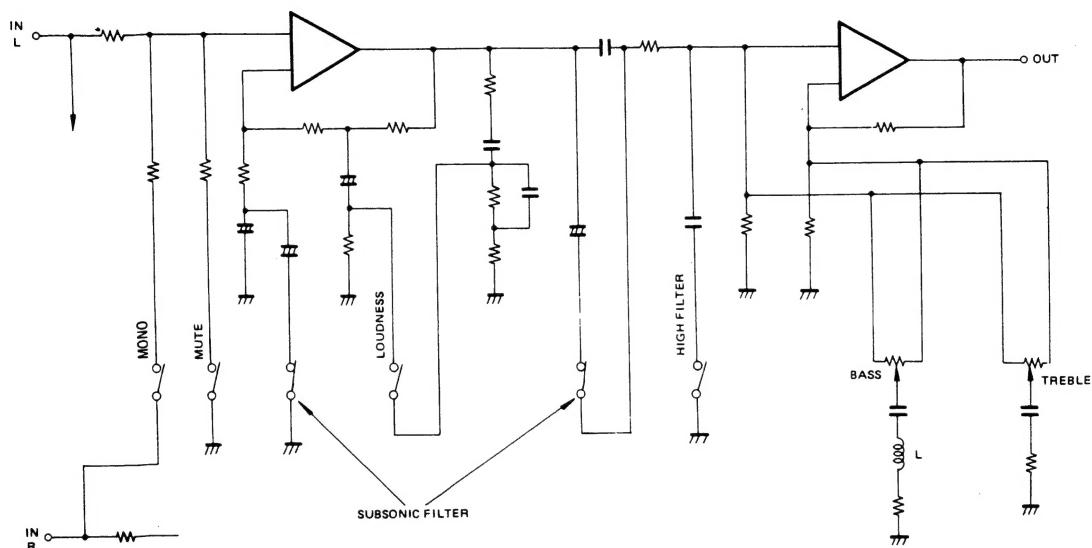
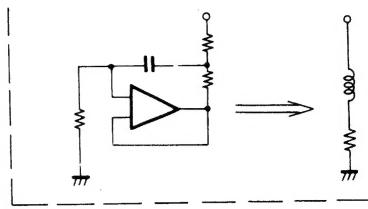
In this stage, MONO, HIGH FILTER, SUBSONIC FILTER, LOUDNESS, MUTE, TREBLE and BASS are controlled by the OP Amp and analog switches.

For the circuit diagram, refer to figure below.

The SUBSONIC FILTER consists of 2 stages in order to obtain 12 db/oct.

The BASS L consists of a simulated inductor which uses the OP Amp.

SIMULATED INDUCTOR

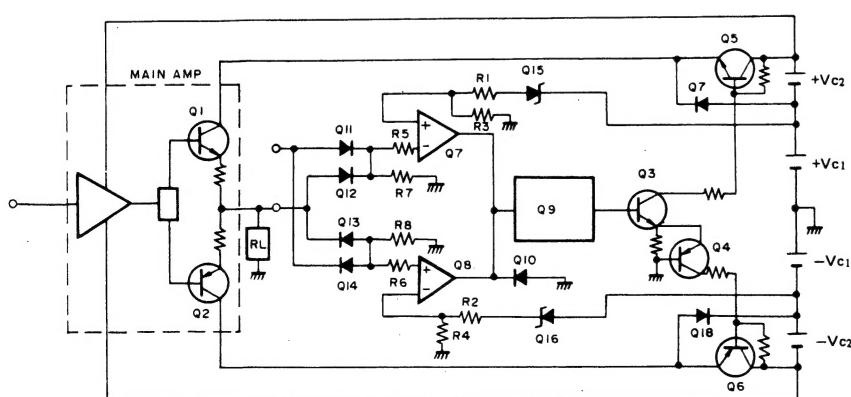


11. MAIN AMP SECTION

In the main amp circuit, IC's are used for the voltage amplification stage and transistors for the current amplification stage.

The basic circuit, as shown below consists of a comparator, Q15 and Q16, which compares a reference voltage to the

output. If the output rises, multivibrator Q9 emits a pulse at fixed intervals of about 400 ms. This drives Q5 and Q6, and applies a high voltage to the current amplifier stage. Q9 is a re-trigger type multivibrator, and if an output higher than the comparator reference voltage appears within 400 ms, the high voltage is maintained.



Q1, Q2Main output transistor
 Q3, Q4Switching Transistor
 Q5, Q6High Voltage Transistor
 Q7, Q8Comparator
 Q9Mono Multivibrator
 Q10Clamp Diode
 Q11 ~ Q14 . . .Rectifying Diode
 Q15, Q16 . . .Level Comparator Diode
 Q17, Q18 . . .Power Supply Switching Diode
 ±VC1, 2Power Supply
 R1 ~ R8Voltage Dividing Resistor

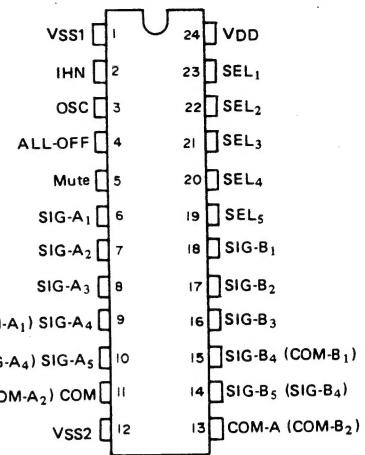
12. C-MOS DIGITAL IC TC9151P/TC9152P

This IC is used for feather-touch function selectors, and incorporates analog switches with a high breakdown voltage.

○ Maximum Ratings (Ta = 25°C)

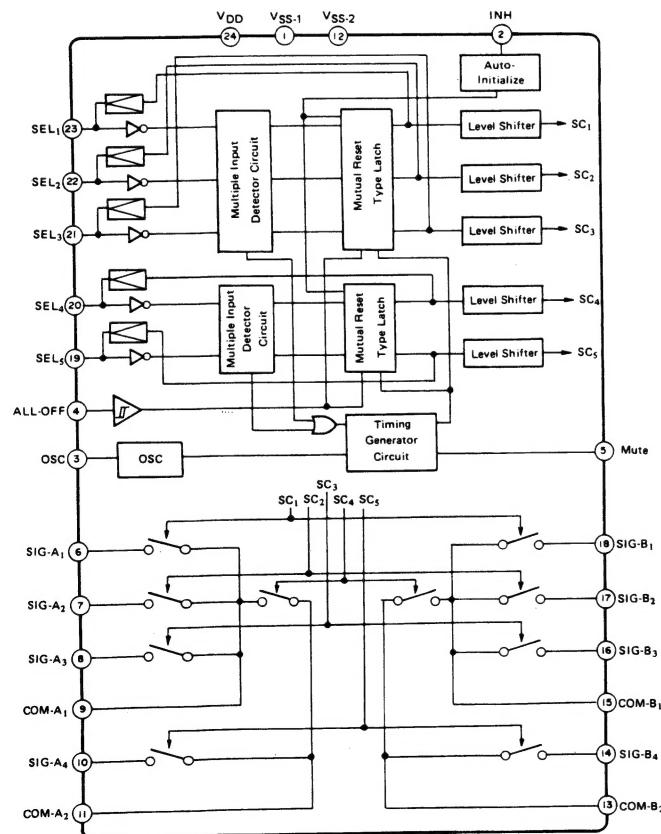
Item	Symbol	Ratings	Unit
Supply Voltage (1)	VDD VSS1	16	V
Supply Voltage (2)	VDD VSS2	32	V
Input Voltage (VSS1)	VIN(1)	-0.3 ~ VDD + 0.3	V
Input Voltage (VSS2)	VIN(2)	-0.3 ~ VDD + 0.3	V
Power Dissipation	PD	800	mw
Operating Temperature	Topr	-30 ~ 75	°C
Storage Temperature	Tstg	-55 ~ 125	°C

PIN CONNECTION

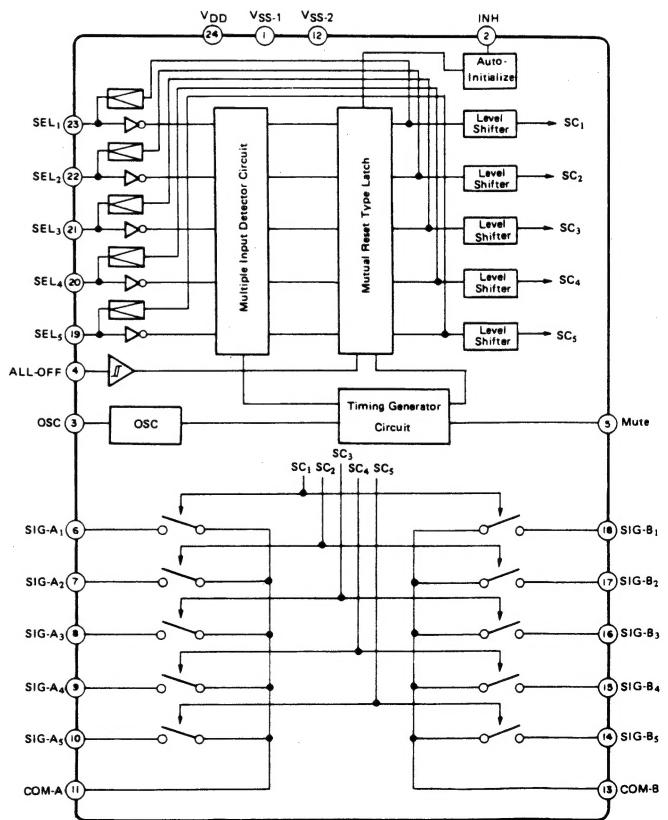


BLOCK DIAGRAM

TC9151P



TC9152P



13. PINS AND THEIR FUNCTIONS

TC9151P & TC9152P

Pin No.	Symbol	Functional Description
2	INH	Inhibit input terminal With "H" Level signals, permits normal operation. With "L" Level signals, inhibits operation.
3	OSC	C, R connection terminal for oscillator. The frequency of this oscillator determines muting time and analog switch selection timing.
4	ALL-OFF	"ALL ANALOG SWITCHES OFF" command input terminal. If an "H" Level signal is input to this terminal, all analog switches go OFF.
5	MUTE	Muting signal output terminal. When an "H" Level signal is received at the selector input terminals (SEL-1 ~ SEL-5), this terminal goes "H" for a certain time during which the analog switches change over. Muting output time can be set freely by the oscillator frequency.
24 1 12	VDD VSS1 VSS2	Power supply voltage terminal. For the control system, connect VDD - VSS1. For the analog switch system, connect VDD - VSS2.
19 20 21 22 23	SEL-5 SEL-4 SEL-3 SEL-2 SEL-1	Analog switch selector input terminals. If an "H" Level signal is applied to terminals SEL-1 ~ SEL-5, the analog switch selected goes ON. In TC9151P, SEL-1, SEL-2, SEL-3, and SEL-4, SEL-5, are in a mutual reset arrangement, so that in the absence of the selecting input they are OFF. In TC9152P, SEL-1 ~ SEL-5 are all in a mutual reset arrangement. This I/O terminal is also used for the display driver output.

TC9151P

Pin No.	Symbol	Function Description
6, 18	SIG-A ₁ SIG-B ₁	Signal input terminal 1. When SEL-1 is selected, analog switch 1 goes ON, and this terminal and terminal COM-1 then become conducting.
7, 17	SIG-A ₂ SIG-B ₂	Signal input terminal 2. When SEL-2 is selected, analog switch 2 goes ON, and this terminal and terminal COM-1 then become conducting.
8, 16	SIG-A ₃ SIG-B ₃	Signal input terminal 3. When SEL-3 is selected, analog switch 3 goes ON, and this terminal and terminal COM-1 then become conducting.
9, 15	COM-A ₁ COM-B ₁	Analog switch common terminal 1. This is a common terminal for analog switches SIG ₁ ~ SIG ₃ above.
10, 14	SIG-A ₄ SIG-B ₄	Signal input terminal 4. When SEL-5 is selected, analog switch 5 goes ON, and this terminal and terminal COM-2 then become conducting. When SEL-4 is selected, analog switch 4 goes ON, and analog switch 5 goes OFF.
11, 13	COM-A ₂ COM-B ₂	Analog switch common terminal 2. This is a common terminal for analog switches 4, 5 above.

TC9152P

Pin No.	Symbol	Function Description
6, 18	SIG-A ₁ SIG-B ₁	
7, 17	SIG-A ₂ SIG-B ₂	Same as for TC9151P.
8, 16	SIG-A ₃ SIG-B ₃	
9, 15	SIG-A ₄ SIG-B ₄	Signal input terminal 4. When SEL-4 is selected, analog switch 4 goes ON, and this terminal and terminal COM-4 then become conducting.
10, 14	SIG-A ₅ SIG-B ₅	Signal input terminal 5. When SEL-5 is selected, analog switch 5 goes ON, and this terminal and terminal COM-5 then become conducting.
11, 13	COM-A COM-B	Analog switch common terminal.

14. ADJUSTING PROCEDURES

• IDLING ADJUSTMENT

1. Input and output are adjusted with the unit in the OPEN condition.
2. Adjust both left and right channels to give 8 mV DC (idling current 3.5 mA).

	Measuring points	Parts to be adjusted
L channel	L ch output and T.P.I.	R715
R channel	R ch output and T.P.I.	R716

15. VOLTAGE CONVERSION

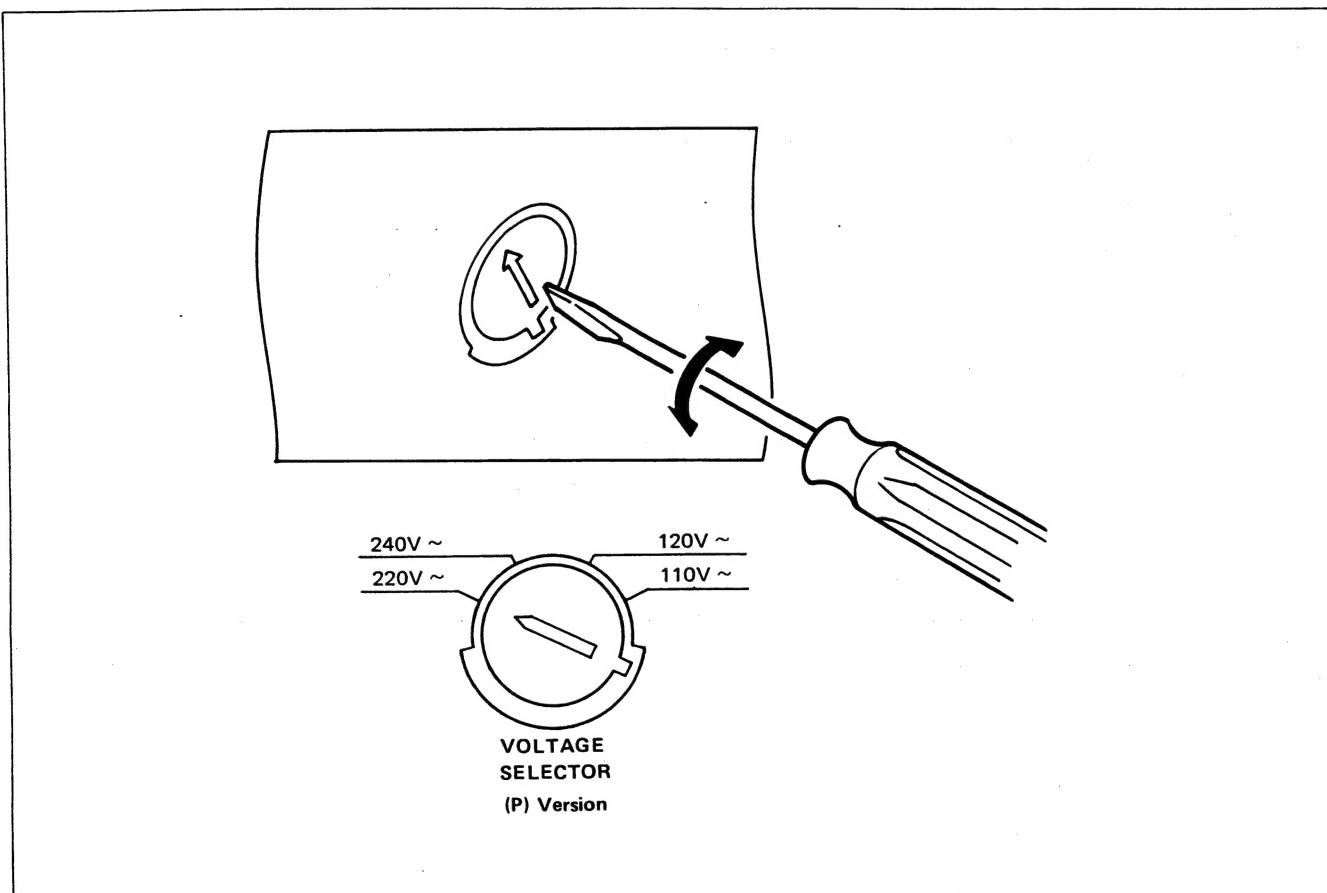
• EUROPEAN MODEL ONLY

To convert the unit to a different power source voltage, change the position as illustrated in the drawing below.

CAUTION

DISCONNECT POWER SUPPLY CORD FROM AC OUTLET BEFORE CONVERTING VOLTAGE.

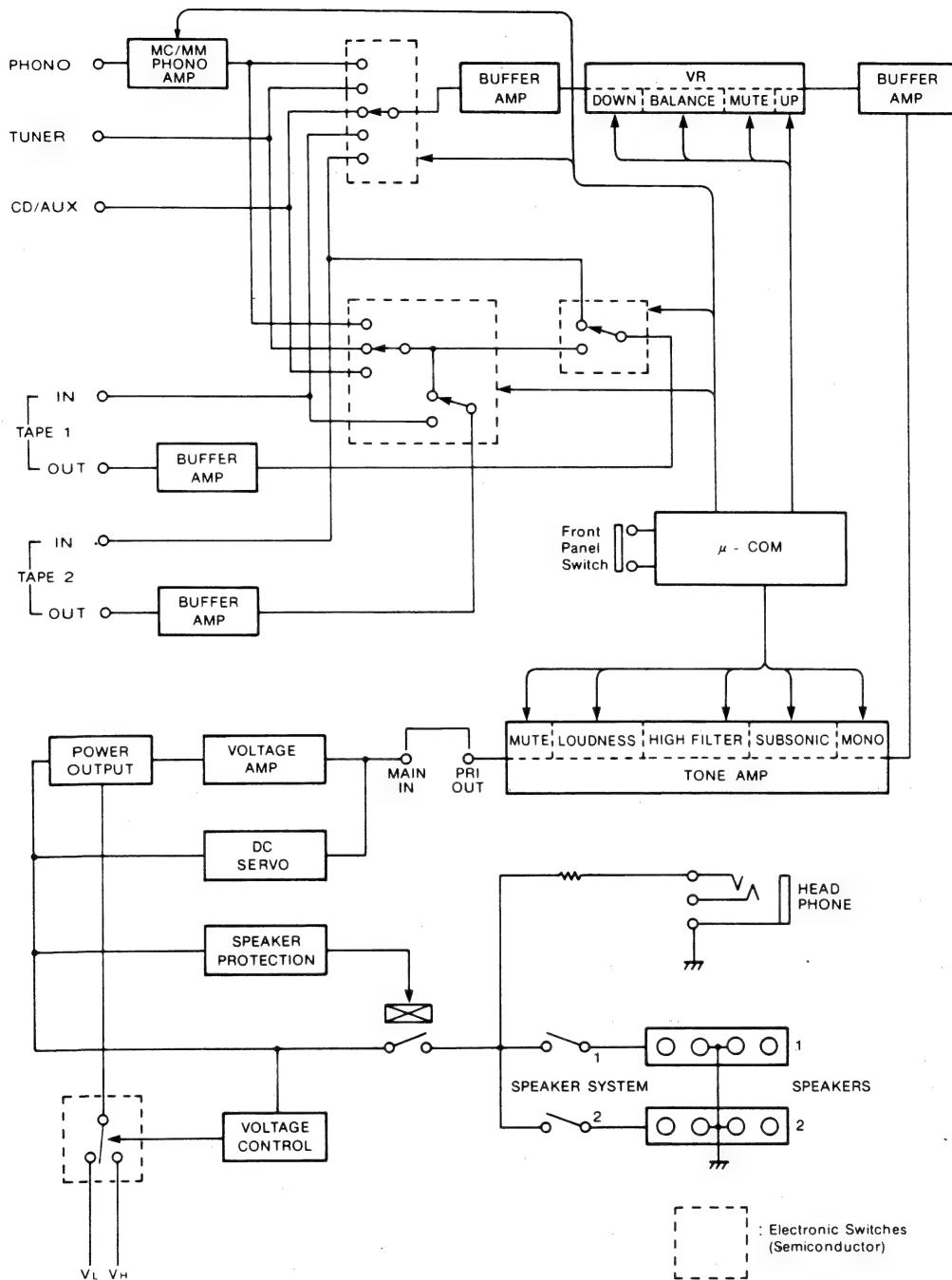
Voltage Conversion Chart



Note on safety:

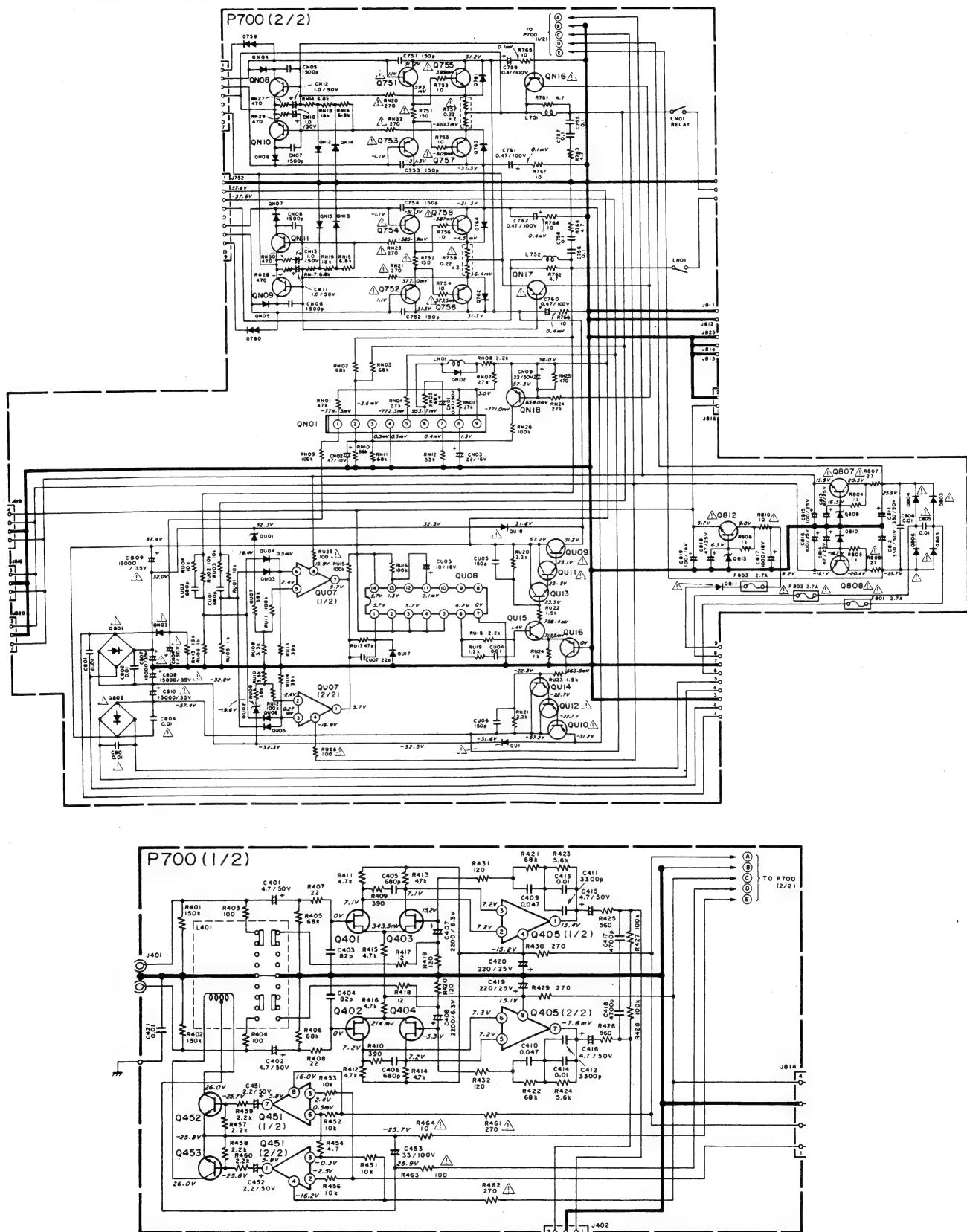
Symbol Fire or electrical shock hazard. Only original parts should be used to replace any part marked with symbol . Any other component substitution (other than original type), may increase risk of fire or electrical shock hazard.

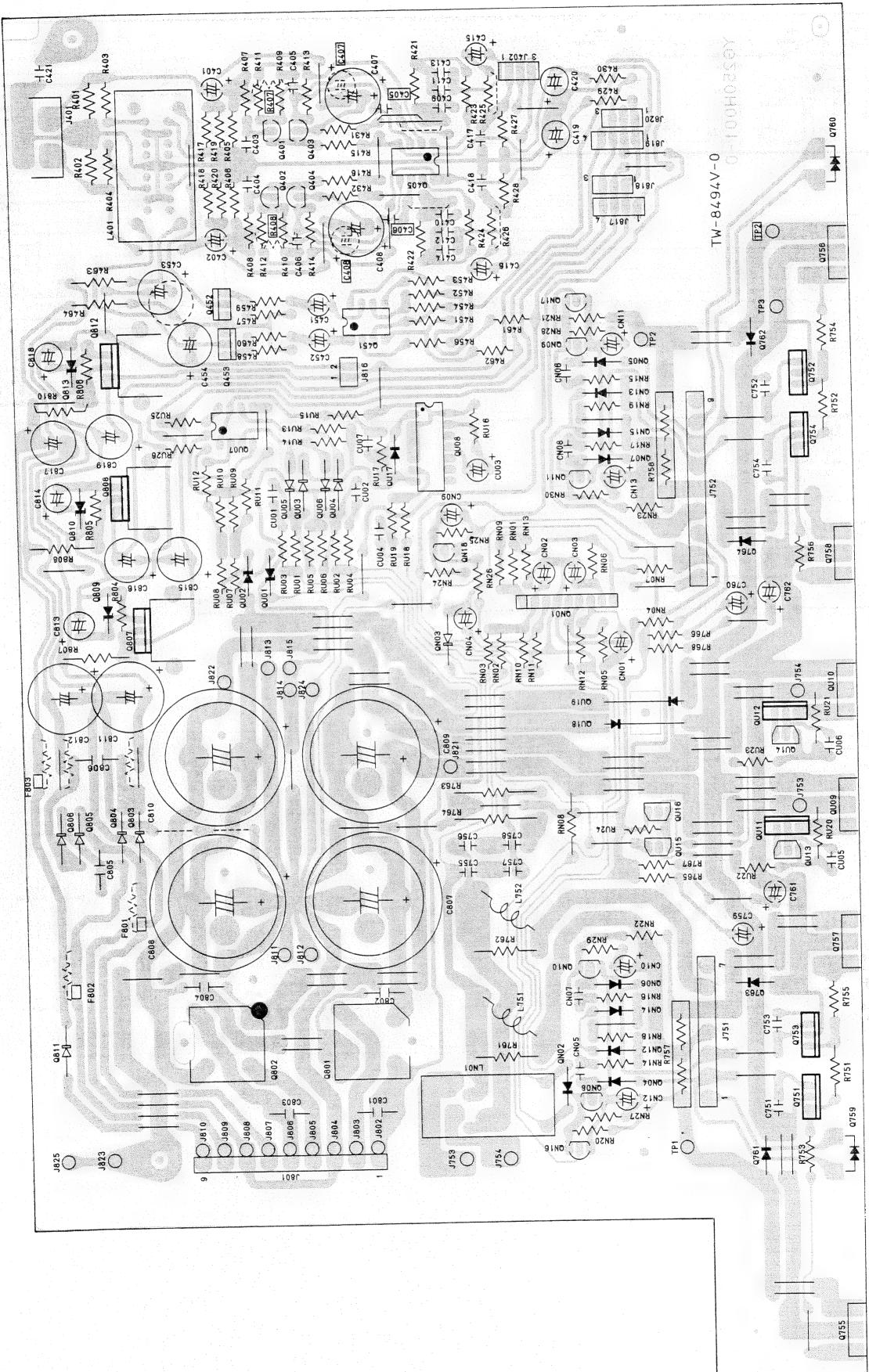
16. FUNCTIONAL BLOCK DIAGRAM



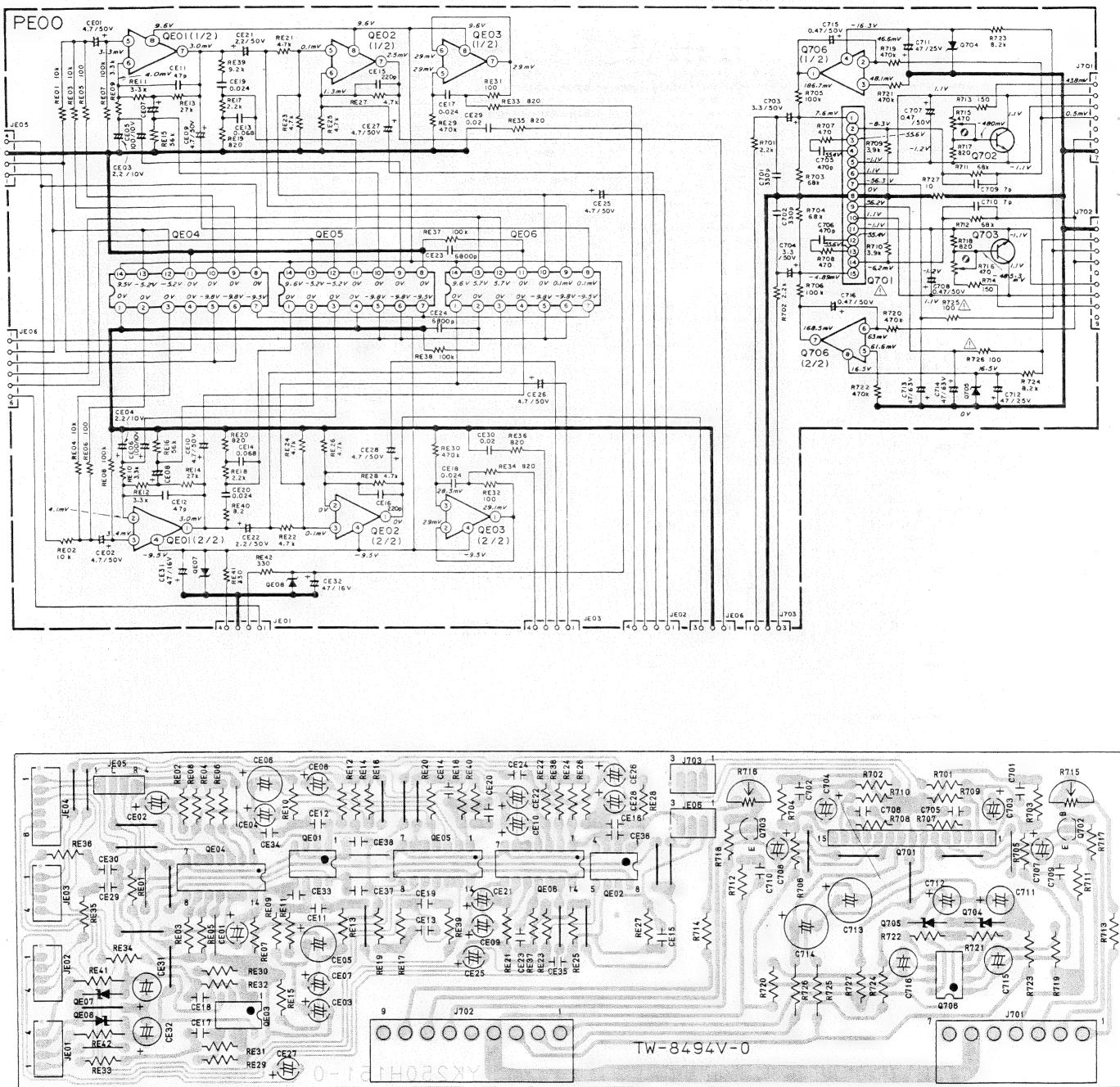
17. SCHEMATIC DIAGRAM AND COMPONENT LOCATIONS

17.1 MAIN AMP Assembly (P700) Schematic Diagram and Component Location

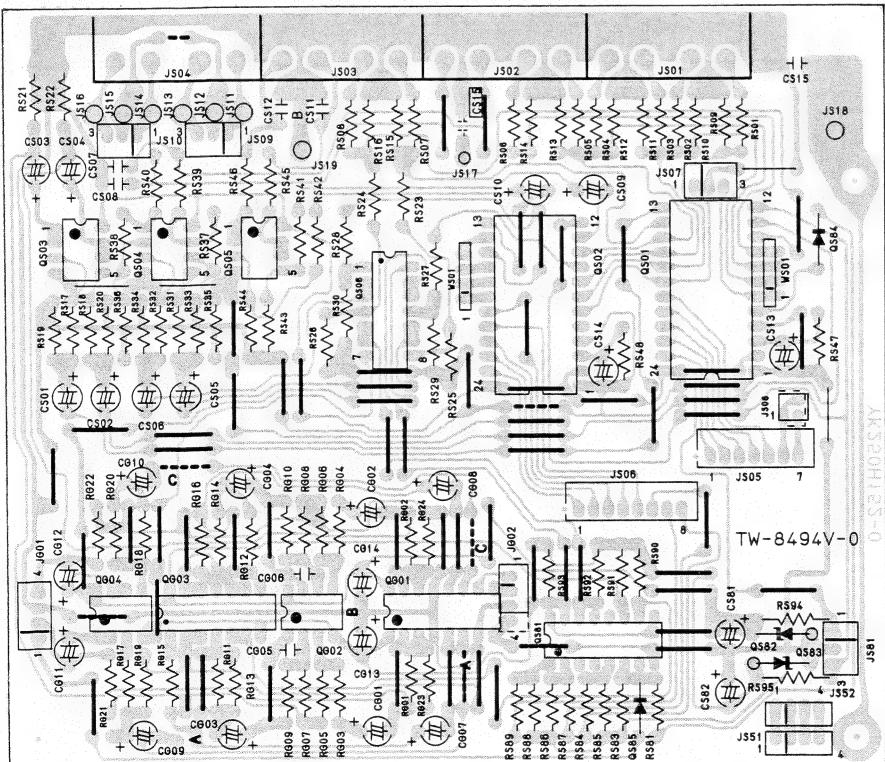
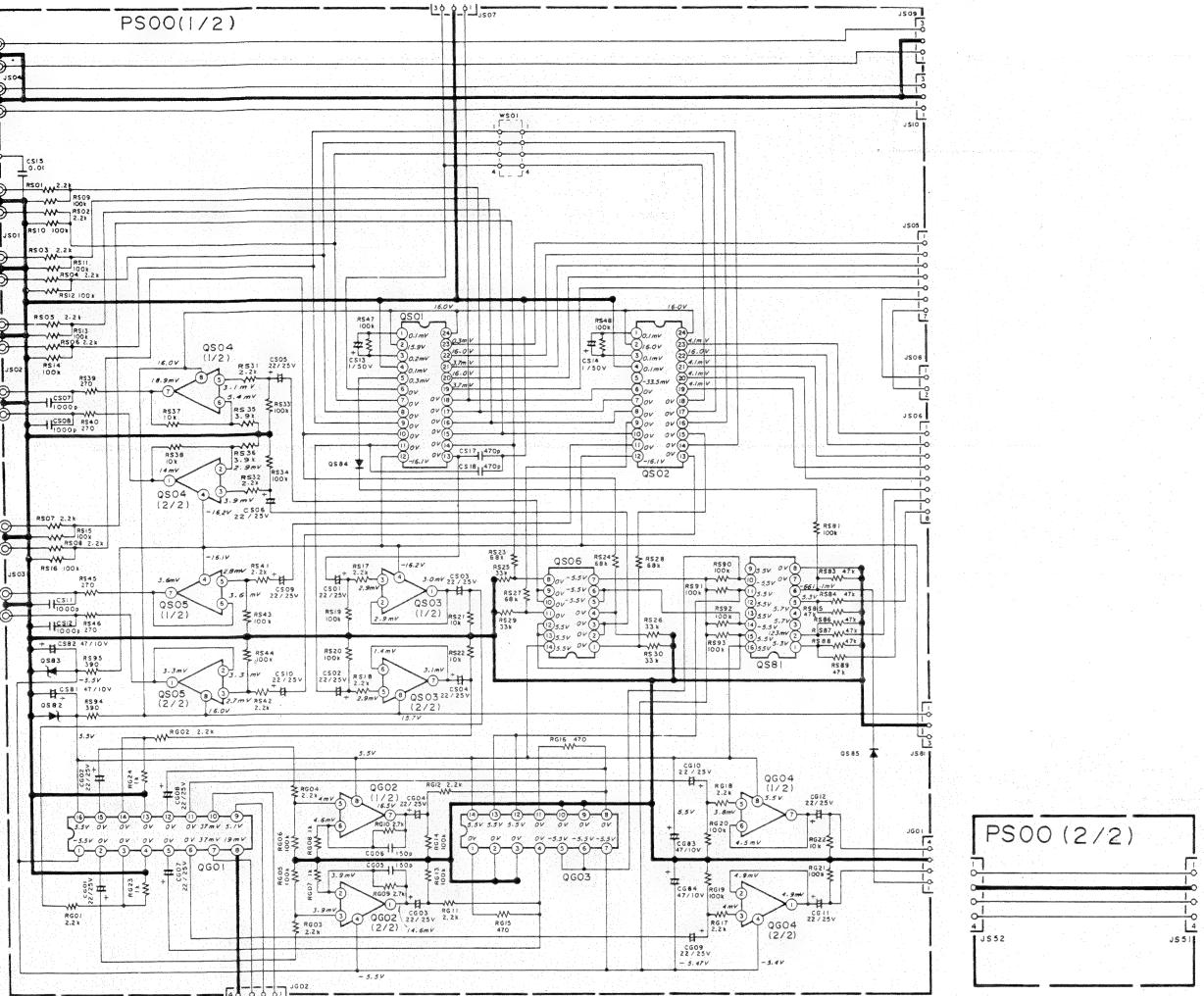




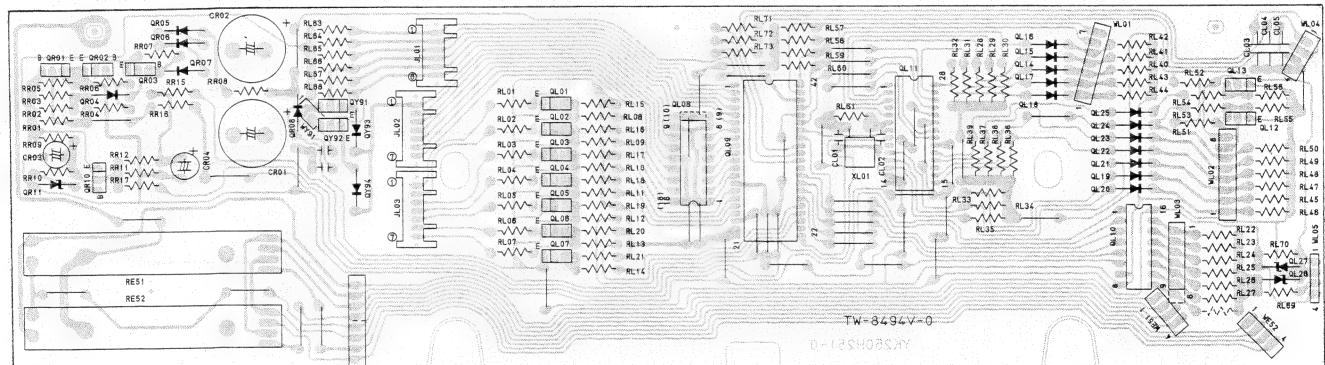
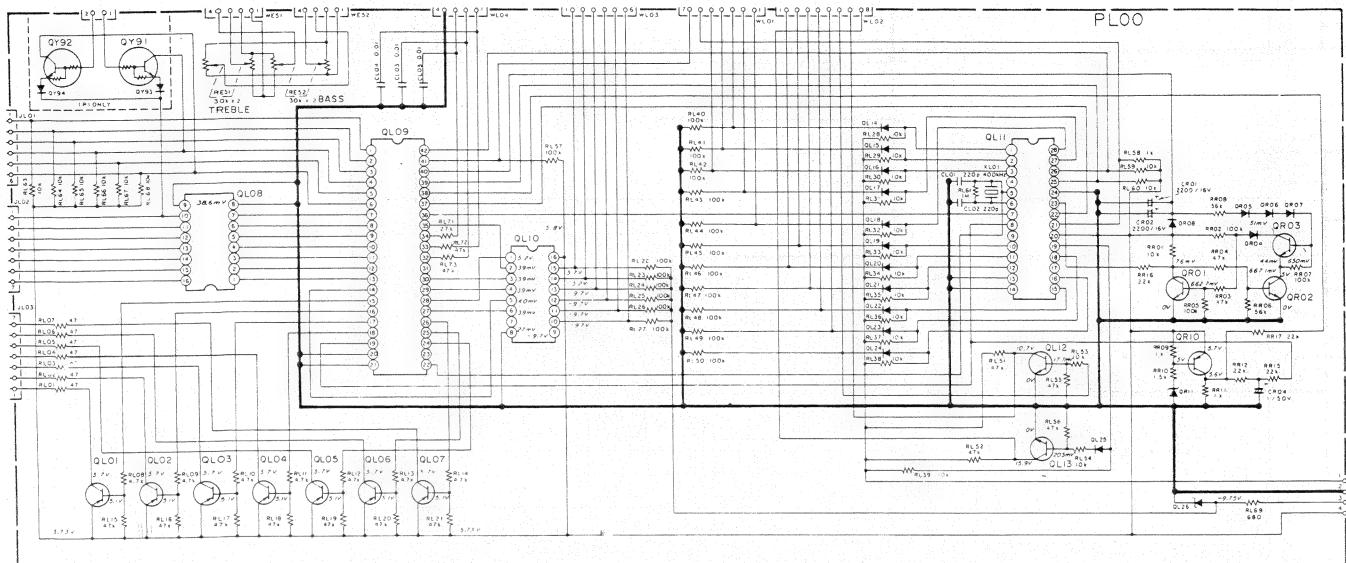
17.2 TONE CONTROL AMP. Assembly (PE00) Schematic Diagram and Component Locations



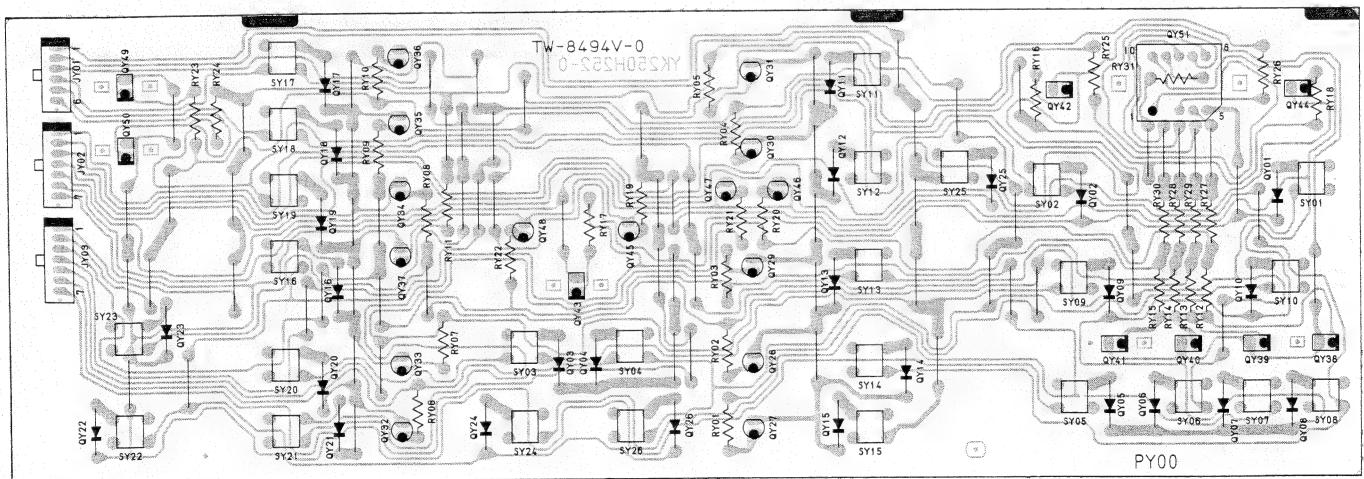
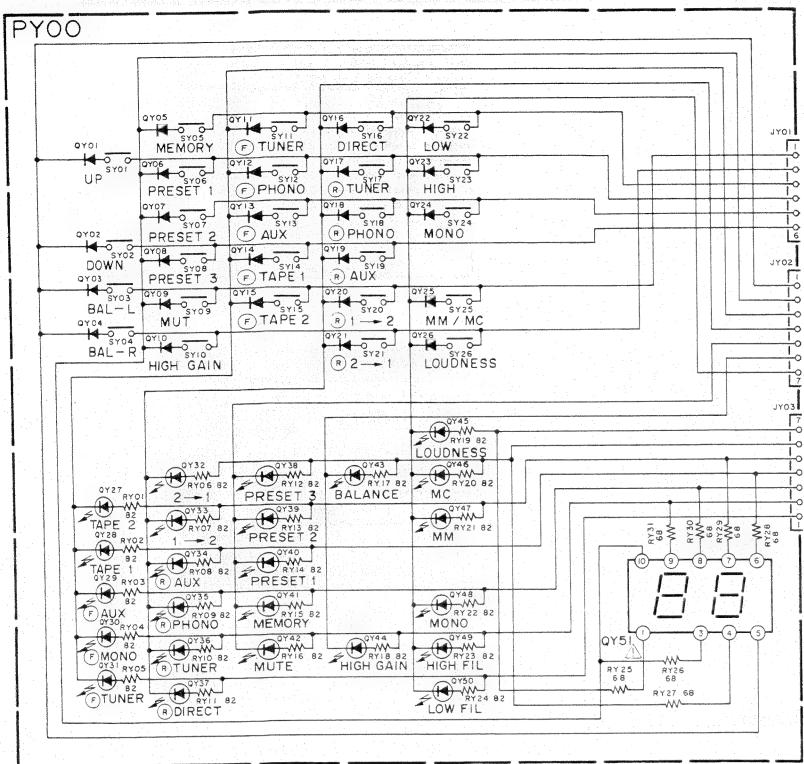
17.3 FUNCTION/VOLUME AMP. Assembly (PS00) Schematic Diagram and Component Locations



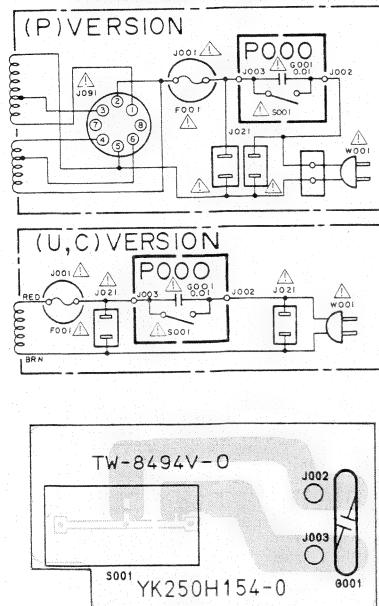
17.4 LOGIC CONTROL CIRCUIT Assembly (PL00) Schematic Diagram and Component Locations



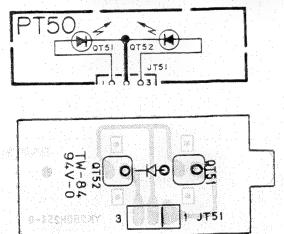
17.5 FRONT LED Switch Assembly (PY00) Schematic Diagram and Component Locations



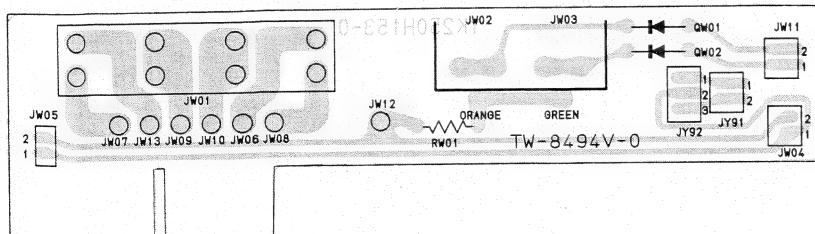
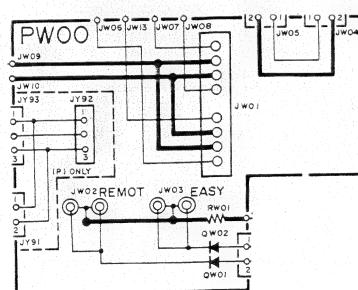
**17.6 POWER Switch Assembly (P000)
Schematic Diagram and Component Locations**



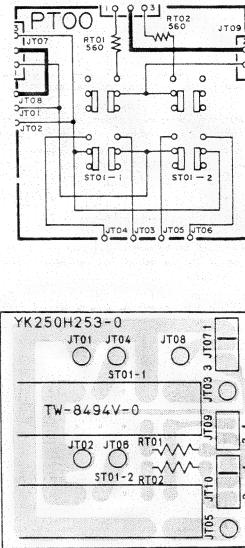
**17.7 Speaker LED Assembly (PT50)
Schematic Diagram and Component Locations**



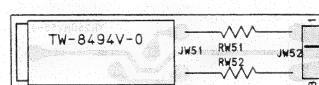
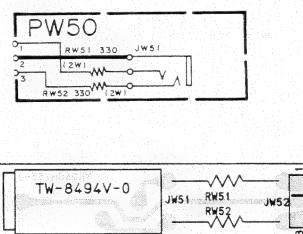
**17.8 Speaker Output Assembly (PW00)
Schematic Diagram and Component Locations**



**17.9 Speaker Switch Assembly (PT00)
Schematic Diagram and Component Locations**

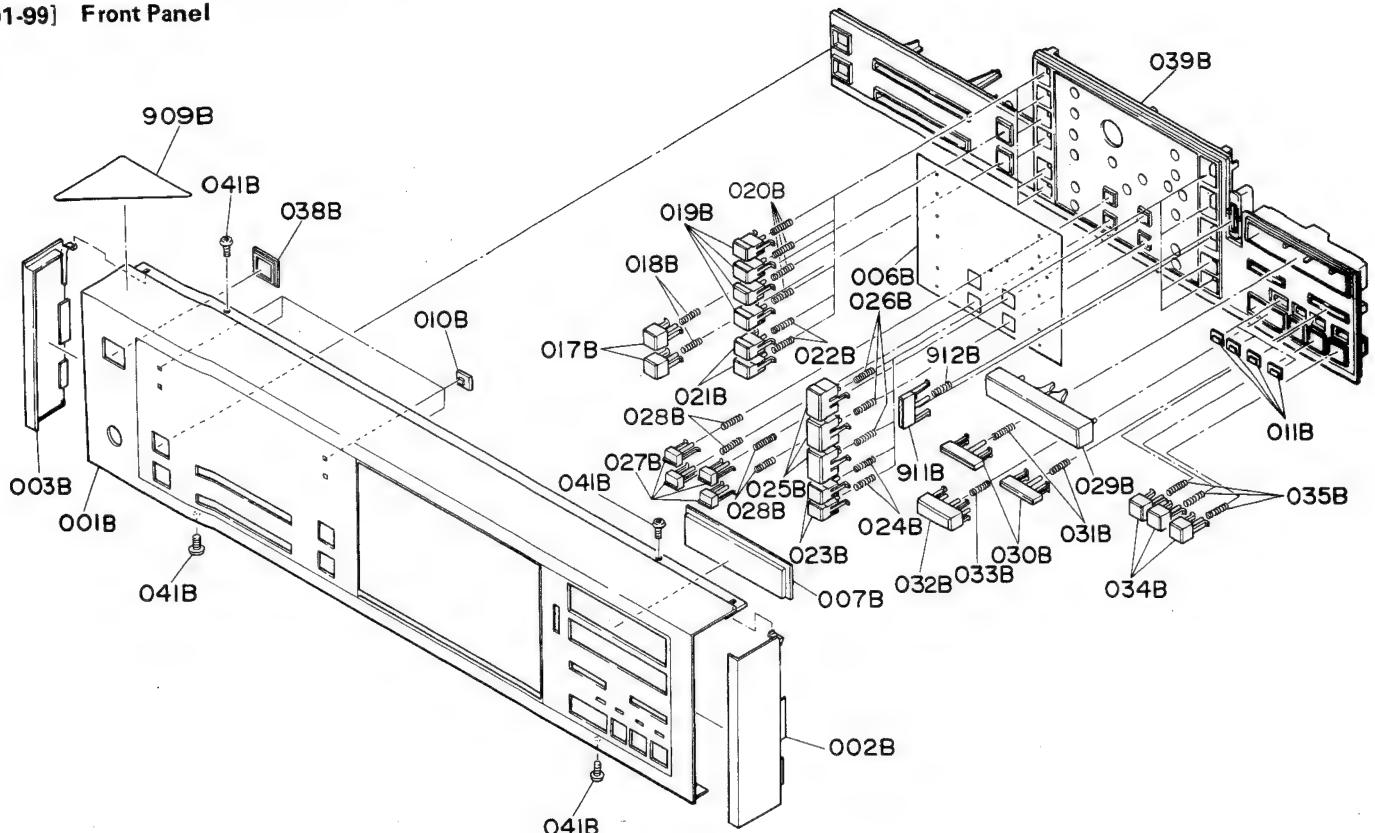


**17.10 Head Phone Assembly (PW50)
Schematic Diagram and Component Locations**



18. EXPLODED VIEW AND PARTS LIST

[P01-99] Front Panel

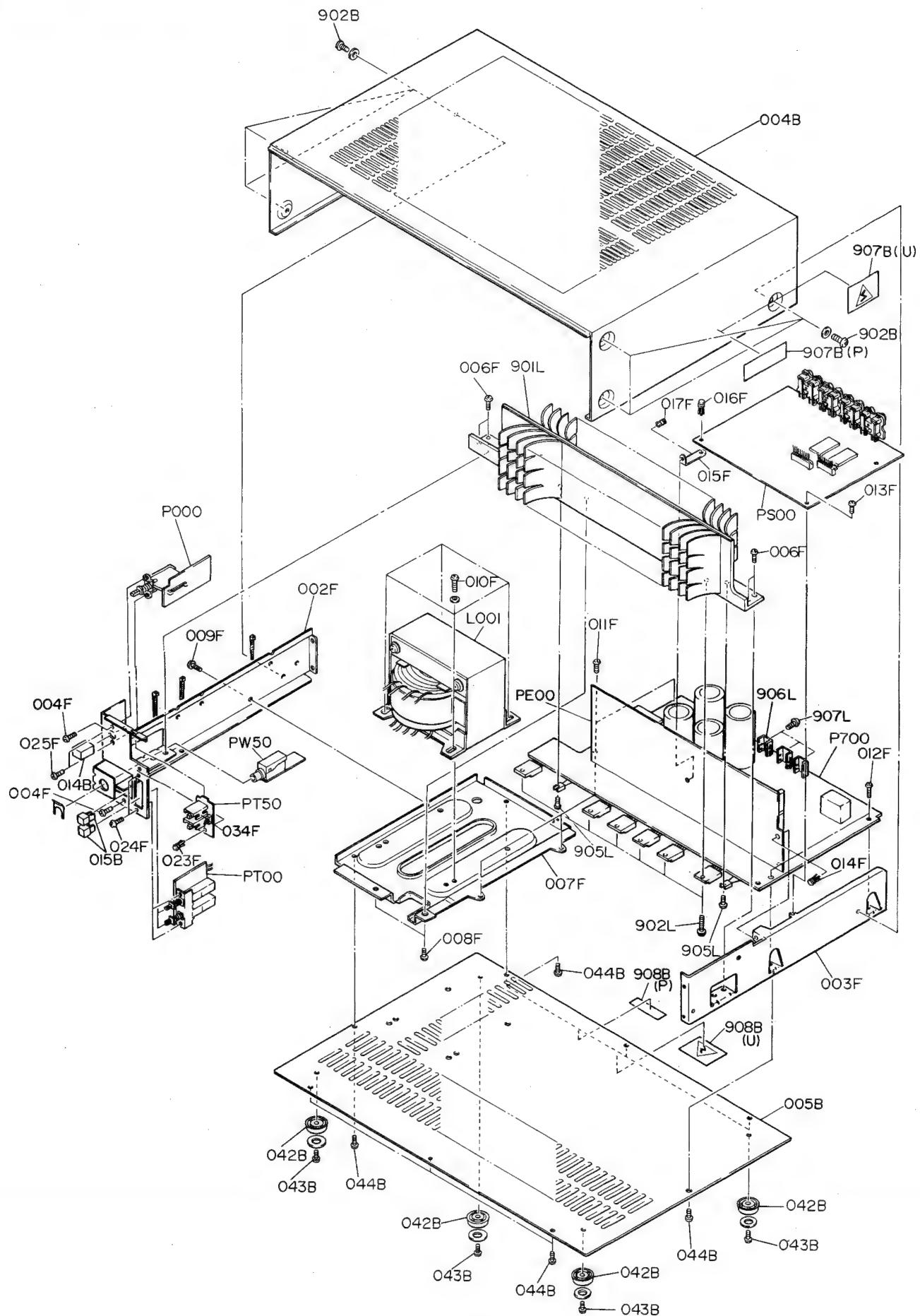


• (U):for U.S.A.
• (P):for PX

REF. DESIG.	Q'TY U P	PART NO.	DESCRIPTION
A	1 1	250H063400	Front Panel Assembly
001B	1 1	250H063010	Escutcheon, Front Panel
002B	1 1	229H067010	Cap (Right)
003B	1 1	229H067020	Cap (Left)
006B	1 1	250H127010	Control Board
007B	1 1	249H158010	Window, Clear Plate
010B	4 4	125H158010	Window, Speaker/Filter
011B	4 4	249H355010	Lens, Memory
017B	2 2	249H154010	Knob, Filter Switch
018B	2 2	249H115010	Spring, Filter Knob
019B	4 4	420H154210	Knob, Rec Selector
020B	4 4	249H115010	Spring, Rec Selector Knob
021B	2 2	420H154210	Knob, Tape Copy
022B	2 2	249H115010	Spring, Tape Copy Knob
023B	2 2	420H154210	Knob, Tape Monitor
024B	2 2	249H115010	Spring, Tape Monitor Knob
025B	3 3	416H154220	Knob, Input Selector
026B	3 3	249H115010	Spring, Input Selector Knob
027B	4 4	141T154010	Knob, Mono/Loudness/Balance
028B	4 4	249H115010	Spring, Mono/Loudness/Balance Knob

REF. DESIG.	Q'TY U P	PART NO.	DESCRIPTION
029B	1 1	249H154030	Knob, Volume
030B	2 2	431H154010	Knob, Muting/Volume Shift
031B	2 2	132T115010	Spring, Muting/Vol. Shift Knob
032B	1 1	249H154020	Knob, Memory
033B	1 1	249H115010	Spring, Memory Knob
034B	3 3	249H154010	Knob, Volume Preset
035B	3 3	249H115010	Spring, Volume Preset Knob
038B	1 1	415H259210	Bushing, Power Switch
039B	1 1	249H259010	Bushing, Front
911B	1 1	250H154010	Knob, MM/MC Selector
912B	1 1	132T115010	Spring, MM/MC Selector
041B	4 4	51280308B0	B.H. Tapped Screw B3 x 8
909B	1	105H861010	Label, ESC

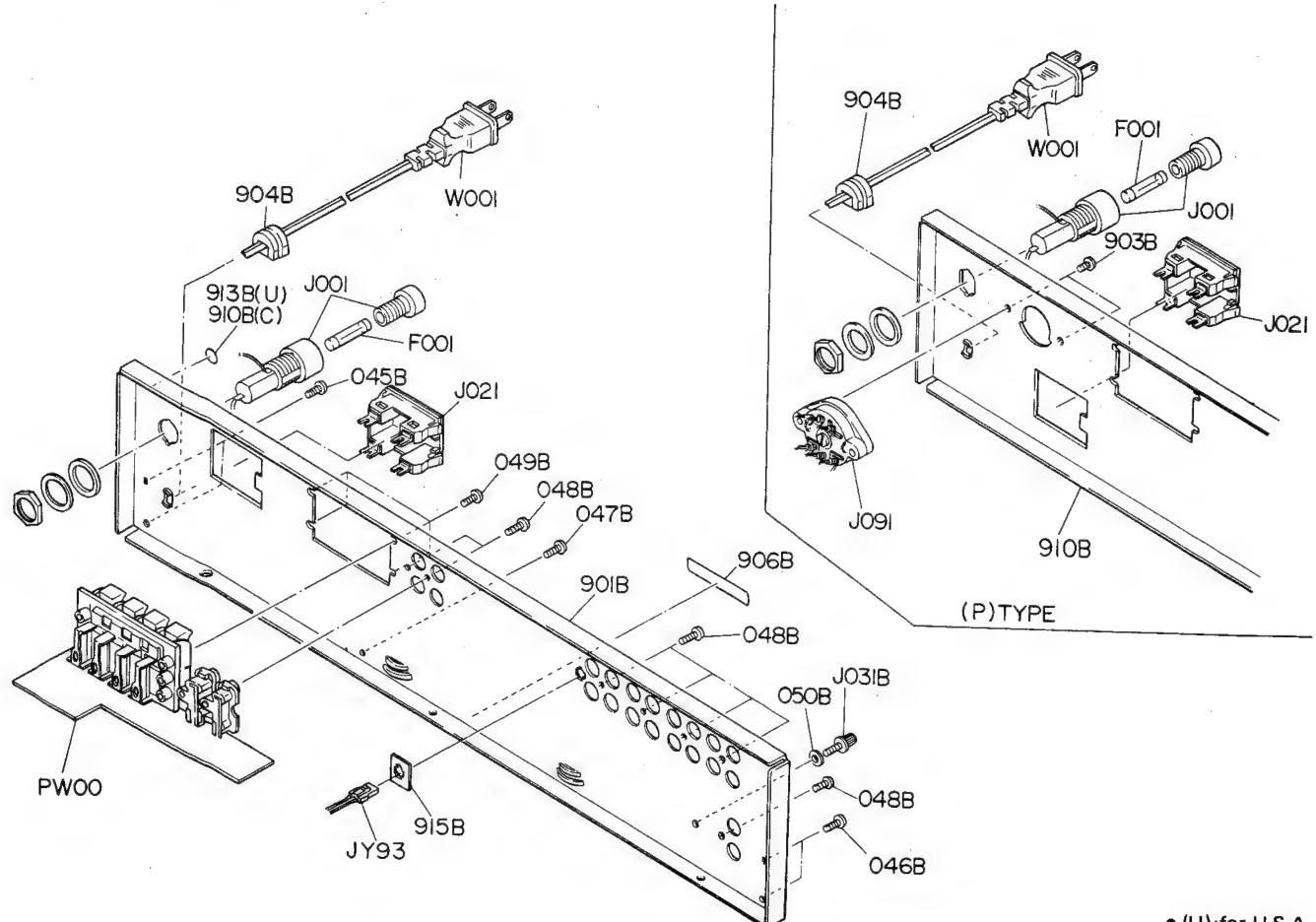
[P02-99] Lid and General Parts



• (U):for U.S.A.
• (P):for PX

REF. DESIG.	Q'TY U P		PART NO.	DESCRIPTION	REF. DESIG.	Q'TY U P		PART NO.	DESCRIPTION
004B	1	1	229H257010	Lid, Top Cover	002F	1	1	249H126010	Stay, Left
005B	1	1	249H257010	Lid, Bottom Cover	003F	1	1	249H126020	Stay, Right
014B	1	1	415H154210	Knob, Power	004F	2	2	51280308B0	B.H. Tapped Screw
015B	2	2	241H154030	Knob, Speaker	006F	4	4	51280308B0	B.H. Tapped Screw
042B	4	4	416H057010	Leg	007F	1	1	249H004010	Table, Transformer
043B	4	4	51280408U0	B.H. Tapped Screw	008F	2	2	51280308B0	B.H. Tapped Screw
044B	8	8	51280308B0	B.H. Tapped Screw	009F	1	1	51280308B0	B.H. Tapped Screw
902B	6		51260408Z0	B.T. Screw	010F	4	4	51260408U0	B.T. Screw
902B	6		51260408U0	B.T. Screw	011F	2	2	51280308B0	B.H. Tapped Screw
907B	1		117H861010	Label, Caution (Top)	012F	2	2	51280308B0	B.H. Tapped Screw
907B	1		2911861140	Label, Caution (Top)	013F	2	2	51280308B0	B.H. Tapped Screw
908B	1		117H861010	Label, Caution (Bottom)	014F	1	1	2276005050	Clamper
908B	1		2911861110	Label, Caution (Bottom)	015F	1	1	249H160020	Bracket
					016F	1	1	2276005050	Clamper
					017F	1	1	2276005050	Clamper
					024F	2	2	51100306A9	B.H.M. Screw
					025F	2	2	51100306A9	B.H.M. Screw
					034F	2	2	249H051020	Guide L.E.D. Speaker
					901L	1	1	250H267010	Heat Sink
					902L	6	6	51780312B0	B.T. Screw Transistor
					905L	2	2	51280308B0	B.H. Tapped Screw
					906L	3	3	250H267020	Heat Sink
					907L	3	3	51280308B0	B.H. Tapped Screw
					L001	1		TS19620010	Power Transformer
					L001	1		TS19620020	Power Transformer

[P03-99] Rear Panel

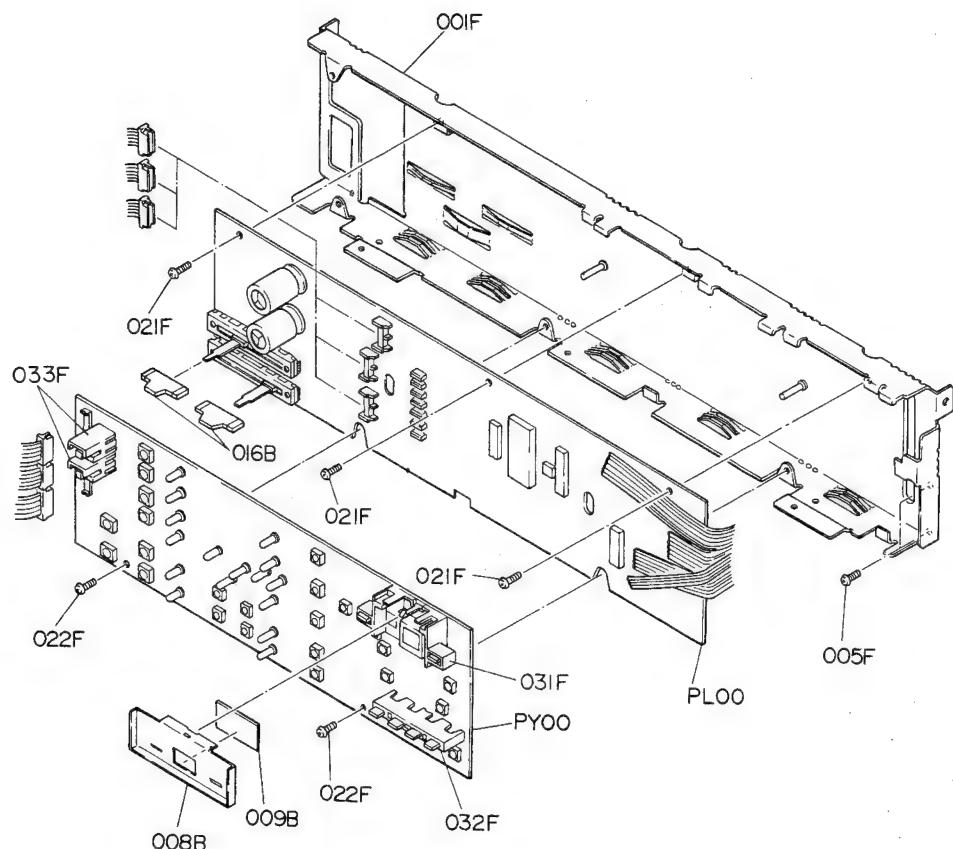


• (U):for U.S.A.
• (P):for PX

REF. DESIG.	Q'TY U P		PART NO.	DESCRIPTION
045B	2	2	5128030880	B.H. Tapped Screw B3 x 8
046B	2	2	5128030880	B.H. Tapped Screw B3 x 8
047B	1	1	5128030880	B.H. Tapped Screw B3 x 8
048B	7	7	5128030880	B.H. Tapped Screw B3 x 8
049B	4	4	5128030880	B.H. Tapped Screw B3 x 8
901B	1		250H160220	Bracket, Rear Panel
901B		1	250H160230	Bracket, Rear Panel
903B	2		5128030880	B.H. Tapped Screw B3 x 8
904B	1	1	1455259090	Bushing, AC Cord
906B	1	1	2112265010	Indicator, Serial No.
910B	1		2457861040	Label, CSA
913B	1		9511101070	Label, UL.
915B		1	228H118030	Spacer

REF. DESIG.	Q'TY U P		PART NO.	DESCRIPTION
△F001	1		FS10500500	Fuse, 5A
△F001		1	FS10400800	Fuse, T4A
△J001	1		YJ08000300	Jack, Fuse Holder
△J001		1	YJ08000290	Jack, Fuse Holder
△J021	1	1	YJ04001010	Jack, AC Outlet 2P
J031	1	1	YJ03010250	Terminal, Ground
△J091	1		BY05080040	Volt, Selector
JY93	1		YB00070070	Connective Cord
W001	1	1	YC01800260	AC Power Cord

[P04-99] Front Chassis

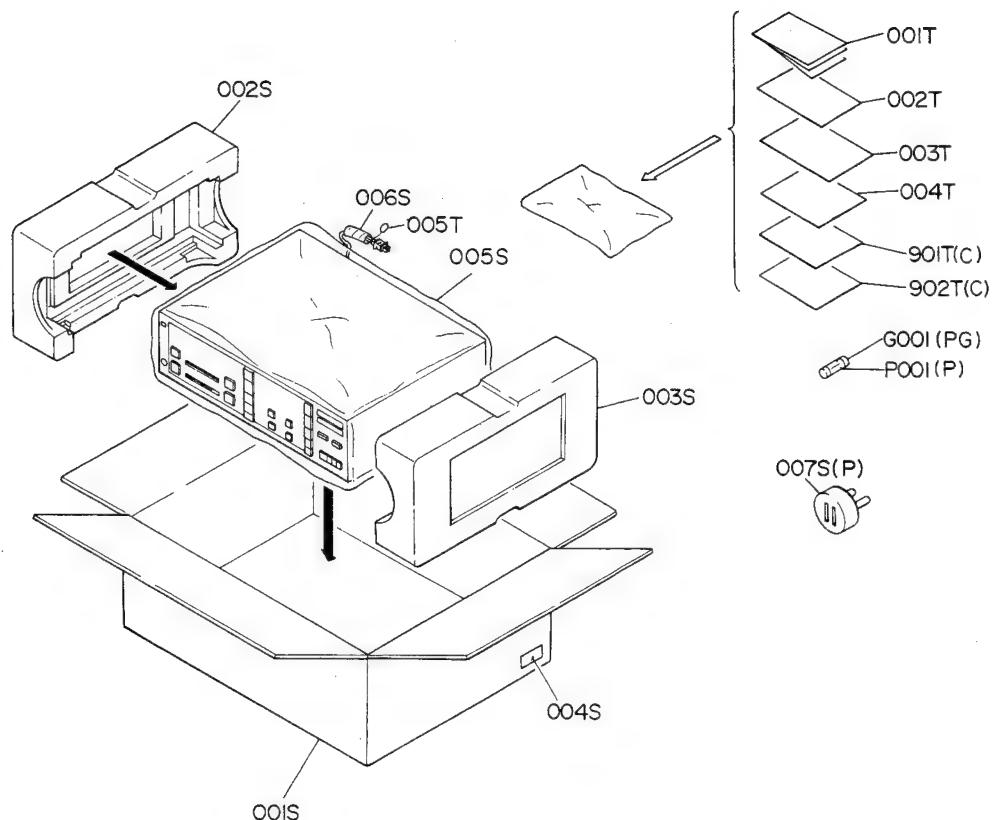


• (U):for U.S.A.
• (P):for PX

REF. DESIG.	Q'TY U P			PART NO.	DESCRIPTION
008B	1	1		249H302010	Dial Plate, Volume Display
009B	1	1		013H158000	Window, Volume Display
016B	1	1		141T154050	Knob, Tone

REF. DESIG.	Q'TY U P			PART NO.	DESCRIPTION
001F	1	1		249H105010	Chassis, Front
005F	2	2		51280308B0	B.H. Tapped Screw B3 x 8
021F	3	3		51280308B0	B.H. Tapped Screw B3 x 8
022F	2	2		51280308B0	B.H. Tapped Screw B3 x 8
031F	1	1		249H104010	Retainer, Volume Display
032F	1	1		249H051010	Guide, Led Memory
033F	2	2		249H051020	Guide, Led Filters

[H01-99] Packing Materials



REF. DESIG.	Q'TY U P		PART NO.	DESCRIPTION
001S	1		250H801020	Packing Case
001S	1		250H801030	Packing Case
002S	1	1	229H809010	Cushion, Left
003S	1	1	229H809020	Cushion, Right
004S	2		9526019020	Serial No. Card
004S	3		9526019050	Serial No. Card
005S	1	1	9090808030	Polyethy Sheet
006S	1	1	2918107370	Sheet
007S	1		YJ04000240	Jack
001T	1		250H851210	Instructions
001T	1		250H851310	Instructions Spec.
002T	1		250H851220	Instructions
002T	1		250H851320	Instructions Spec.
003T	1		103H854010	Guarantee Card
003T	1		416H854010	Guarantee Card
004T	1		2225813010	Envelope
004T	1		3435851210	Instructions
005T	1		9560000100	Hang Tag

REF. DESIG.	Q'TY U P		PART NO.	DESCRIPTION
902T	1		9650000050	S. Station Card
P001		1	FS10200800	Fuse 220V
G001		1	FS10400800	Fuse 120V (PG)

19. ELECTRICAL PARTS LIST

• (U):for U.S.A.
• (P):for PX

REF. DESIG.	Q'TY U P	PART NO.	DESCRIPTION	REF. DESIG.	Q'TY U P	PART NO.	DESCRIPTION
PE00	1 1	YK250H1510 ZZ250H1510	PE00-TONE CONTROL CIRCUIT BOARD P.W. Board, Tone Control P.W. Board Assembly	R711	1 1	GD05683140	68kΩ
C701	1 1	DF15331550	Film 330pF ±5%	R712	1 1	GD05683140	68kΩ
C702	1 1	DF15331550	Film 330pF ±5%	R713	1 1	GD05151140	150Ω
C703	1 1	EA33505030	Elect 3.3μF 50V	R714	1 1	GD05151140	150Ω
C704	1 1	EA33505030	Elect 3.3μF 50V	R715	1 1	RA04710040	Triming 470Ω
C705	1 1	DK16471300	Ceramic 470pF	R716	1 1	RA04710040	Triming 470Ω
C706	1 1	DK16471300	Ceramic 470pF	R717	1 1	GD05821140	820Ω
C707	1 1	EA47405030	Elect 0.47μF 50V	R718	1 1	GD05821140	820Ω
C708	1 1	EA47405030	Elect 0.47μF 50V	R719	1 1	GD05474140	470kΩ
C709	1 1	DD11100370	Ceramic 10pF	R720	1 1	GD05474140	470kΩ
C710	1 1	DD11100370	Ceramic 10pF	R721	1 1	GD05474140	470kΩ
C711	1 1	EA47602530	Elect 47μF 25V	R722	1 1	GD05474140	470kΩ
C712	1 1	EA47602530	Elect 47μF 25V	R723	1 1	GG05822140	8.2kΩ
C713	1 1	EA47606330	Elect 47μF 63V	R724	1 1	GG05822140	8.2kΩ
C714	1 1	EA47606330	Elect 47μF 63V	△ R725	1 1	RF05101120	Fusible 100Ω ½W
C715	1 1	EQ47405030	Elect 0.47μF 50V	△ R726	1 1	RF05101120	Fusible 100Ω ½W
C716	1 1	EQ47405030	Elect 0.47μF 50V	R727	1 1	GG05100140	10Ω
CE01	1 1	EA47505030	Elect 4.7μF 50V	RE01	1 1	GD05103140	10kΩ
CE02	1 1	EA47505030	Elect 4.7μF 50V	RE02	1 1	GD05103140	10kΩ
CE03	1 1	EA22505030	Elect 2.2μF 50V	RE03	1 1	GD05103140	10kΩ
CE04	1 1	EA22505030	Elect 2.2μF 50V	RE04	1 1	GD05103140	10kΩ
CE05	1 1	EA10701030	Elect 100μF 10V	RE05	1 1	GD05101140	100Ω
CE06	1 1	EA10701030	Elect 100μF 10V	RE06	1 1	GD05101140	100Ω
CE07	1 1	EA22505030	Elect 2.2μF 50V	RE07	1 1	GD05104140	100kΩ
CE08	1 1	EA22505030	Elect 2.2μF 50V	RE08	1 1	GD05104140	100kΩ
CE09	1 1	EA47505030	Elect 4.7μF 50V	RE09	1 1	GD05332140	3.3kΩ
CE10	1 1	EA47505030	Elect 4.7μF 50V	RE10	1 1	GD05332140	3.3kΩ
CE11	1 1	DD15470370	Ceramic 47pF ±5%	RE11	1 1	GD05332140	3.3kΩ
CE12	1 1	DD15470370	Ceramic 47pF ±5%	RE12	1 1	GD05332140	3.3kΩ
CE13	1 1	DF15683310	Film 0.068μF ±5%	RE13	1 1	GD05273140	27kΩ
CE14	1 1	DF15683310	Film 0.068μF ±5%	RE14	1 1	GD05273140	27kΩ
CE15	1 1	DK162221300	Ceramic 220pF ±10%	RE15	1 1	GD05563140	56kΩ
CE16	1 1	DK162221300	Ceramic 220pF ±10%	RE16	1 1	GD05563140	56kΩ
CE17	1 1	DF15243310	Film 0.024μF ±5%	RE17	1 1	GD05222140	2.2kΩ
CE18	1 1	DF15243310	Film 0.024μF ±5%	RE18	1 1	GD05222140	2.2kΩ
CE19	1 1	DF15243310	Film 0.024μF ±5%	RE19	1 1	GD05821140	820Ω
CE20	1 1	DF15243310	Film 0.025μF ±5%	RE20	1 1	GD05821140	820Ω
CE21	1 1	EA22505030	Elect 2.2μF 50V	RE21	1 1	GD05472140	4.7kΩ
CE22	1 1	EA22505030	Elect 2.2μF 50V	RE22	1 1	GD05472140	4.7kΩ
CE23	1 1	DF15682310	Film 6800pF ±5%	RE23	1 1	GD05472140	4.7kΩ
CE24	1 1	DF15682310	Film 6800pF ±5%	RE24	1 1	GD05472140	4.7kΩ
CE25	1 1	EA47505030	Elect 4.7μF 50V	RE25	1 1	GD05472140	4.7kΩ
CE26	1 1	EA47505030	Elect 4.7μF 50V	RE26	1 1	GD05472140	4.7kΩ
CE27	1 1	EA47505030	Elect 4.7μF 50V	RE27	1 1	GD05472140	4.7kΩ
CE28	1 1	EA47505030	Elect 4.7μF 50V	RE28	1 1	GD05472140	4.7kΩ
CE29	1 1	DF15203310	Film 0.02μF ±5%	RE29	1 1	GD05474140	470kΩ
CE30	1 1	DF15203310	Film 0.02μF ±5%	RE30	1 1	GD05474140	470kΩ
CE31	1 1	EA47601630	Elect 47μF 16V	RE31	1 1	GD05101140	100Ω
CE32	1 1	EA47601630	Elect 47μF 16V	RE32	1 1	GD05101140	100Ω
PE00-RESISTORS (All Resistors are ±5% & ½W)				RE33	1 1	GD05821140	820Ω
R701	1 1	GD05222140	2.2kΩ	RE34	1 1	GD05821140	820Ω
R702	1 1	GD05222140	2.2kΩ	RE35	1 1	GD05821140	820Ω
R703	1 1	GD05683140	68kΩ	RE36	1 1	GD05821140	820Ω
R704	1 1	GD05683140	68kΩ	RE37	1 1	GD05104140	100kΩ
R705	1 1	GD05104140	100kΩ	RE38	1 1	GD05104140	100kΩ
R706	1 1	GD05104140	100kΩ	RE39	1 1	GD05822140	8.2kΩ
R707	1 1	GD05471140	470Ω	RE40	1 1	GD05822140	8.2kΩ
R708	1 1	GD05471140	470Ω				
R709	1 1	GD05392140	3.9kΩ				
R710	1 1	GD05392140	3.9kΩ				
				RE41	1 1	GG05331120	330Ω
				RE42	1 1	GG05331120	330Ω

REF. DESIG.	Q'TY		PART NO.	DESCRIPTION	REF. DESIG.	Q'TY		PART NO.	DESCRIPTION
	U	P				U	P		
△ Q701	1	1	HC10130030	PE00-SEMICONDUCTORS	IC	STK30821IA			PS00-RESISTORS (All Resistors are ±5% & 1/4W)
Q702	1	1	HT327852C0	Transistor	2SC2785 (HF or FF)	RG01	1	1	2.2kΩ
Q703	1	1	HT327852C0	Transistor	2SC2785 (HF or EF)	RG02	1	1	2.2kΩ
Q704	1	1	HD30014010	Zener	HZ16L	RG03	1	1	2.2kΩ
Q705	1	1	HD30014010	Zener	HZ16L	RG04	1	1	2.2kΩ
Q706	1	1	HC10007090	IC	NJM4560D	RG05	1	1	100kΩ
QE01	1	1	HC10021090	IC	NJM4560D-D	RG06	1	1	100kΩ
QE02	1	1	HC10021090	IC	NJM4560D-D	RG07	1	1	1kΩ
QE03	1	1	HC10003090	IC	NJM4558D	RG08	1	1	1kΩ
QE04	1	1	HC406600B0	IC	IC-4066	RG09	1	1	2.7kΩ
QE05	1	1	HC406600B0	IC	IC-4066	RG10	1	1	2.7kΩ
QE06	1	1	HC406600B0	IC	IC-4066				
QE07	1	1	HD30045010	Zener	HZ9L-1C	RG11	1	1	2.2kΩ
QE08	1	1	HD30045010	Zener	HZ9L-1C	RG12	1	1	2.2kΩ
JS01	1	1	YJ06002440	PE00-MISCELLANEOUS	Jack (4P)	RG13	1	1	100kΩ
JS02	1	1	YJ06002440	Jack (4P)	RG14	1	1	100kΩ	
JS03	1	1	YJ06002440	Jack (4P)	RG15	1	1	470Ω	
JS04	1	1	YJ06002450	Jack (6P)	RG16	1	1	470Ω	
JS05	1	1	YJ07000860	Jack (4P)	RG17	1	1	2.2kΩ	
JS06	1	1	YJ06002430	Jack (3P)	RG18	1	1	2.2kΩ	
J701	1	1	YJ06001260	Jack (7P)	RG19	1	1	100kΩ	
J702	1	1	YJ06001430	Jack (9P)	RG20	1	1	100kΩ	
PS00	1	1	YK250H1520	PS00-FUNCTION/VOLUME CIRCUIT BOARD	P.W. Board, Function/Volume	RG21	1	1	10kΩ
	1	1	ZZ250H1520	P.W. Board Assembly	RG22	1	1	10kΩ	
CG01	1	1	EA22602530	PS00-CAPACITORS	RS01	1	1	2.2kΩ	
CG02	1	1	EA22602530	Elect	22μF	RS02	1	1	2.2kΩ
CG03	1	1	EA22602530	Elect	22μF	RS03	1	1	2.2kΩ
CG04	1	1	EA22602530	Elect	22μF	RS04	1	1	2.2kΩ
CG05	1	1	DK16151300	Ceramic	150pF ±10%	RS05	1	1	2.2kΩ
CG06	1	1	DK16151300	Ceramic	150pF ±10%	RS06	1	1	2.2kΩ
CG07	1	1	EA22602530	Elect	22μF	RS07	1	1	2.2kΩ
CG08	1	1	EA22602530	Elect	22μF	RS08	1	1	2.2kΩ
CG09	1	1	EA22602530	Elect	22μF	RS09	1	1	100kΩ
CG10	1	1	EA22602530	Elect	22μF	RS10	1	1	100kΩ
CG11	1	1	EA22602530			RS11	1	1	100kΩ
CG12	1	1	EA22602530	Elect	22μF	RS12	1	1	100kΩ
CG13	1	1	EA47601030	Elect	47μF	RS13	1	1	100kΩ
CG14	1	1	EA47601030	Elect	47μF	RS14	1	1	100kΩ
CS01	1	1	EA22602530			RS15	1	1	100kΩ
CS02	1	1	EA22602530	Elect	22μF	RS16	1	1	100kΩ
CS03	1	1	EA22602530	Elect	22μF	RS17	1	1	2.2kΩ
CS04	1	1	EA22602530	Elect	22μF	RS18	1	1	2.2kΩ
CS05	1	1	EA22602530	Elect	22μF	RS19	1	1	100kΩ
CS06	1	1	EA22602530	Elect	22μF	RS20	1	1	100kΩ
CS07	1	1	DK16102300	Ceramic	1000pF ±10%				
CS08	1	1	DK16102300	Ceramic	1000pF ±10%	RS21	1	1	10kΩ
CS09	1	1	EA22602530	Elect	22μF	RS22	1	1	10kΩ
CS10	1	1	EA22602530	Elect	22μF	RS23	1	1	68kΩ
CS11	1	1	DK16102300	Ceramic	1000pF ±10%	RS24	1	1	68kΩ
CS12	1	1	DK16102300	Ceramic	1000pF ±10%	RS25	1	1	33kΩ
CS13	1	1	EA10505030	Elect	1μF	RS26	1	1	33kΩ
CS14	1	1	EA10505030	Elect	1μF	RS27	1	1	68kΩ
CS15	1	1	DK17103300	Ceramic	0.01μF ±20%	RS28	1	1	68kΩ
CS17	1	1	DK16471300	Ceramic	470pF ±10%	RS29	1	1	33kΩ
CS18	1	1	DK16471300	Ceramic	470pF ±10%	RS30	1	1	33kΩ
CS81	1	1	EA47601030	Elect	47μF				
CS82	1	1	EA47601030	Elect	47μF				

REF. DESIG.	Q'TY		PART NO.	DESCRIPTION
	U	P		
RS31	1	1	GD05222140	2.2kΩ
RS32	1	1	GD05222140	2.2kΩ
RS33	1	1	GD05104140	100kΩ
RS34	1	1	GD05104140	100kΩ
RS35	1	1	GD05392140	3.9kΩ
RS36	1	1	GD05392140	3.9kΩ
RS37	1	1	GD05103140	10kΩ
RS38	1	1	GD05103140	10kΩ
RS39	1	1	GD05271140	270Ω
RS40	1	1	GD05271140	270Ω
RS41	1	1	GD05222140	2.2kΩ
RS42	1	1	GD05222140	2.2kΩ
RS43	1	1	GD05104140	100kΩ
RS44	1	1	GD05104140	100kΩ
RS45	1	1	GD05271140	270Ω
RS46	1	1	GD05271140	270Ω
RS47	1	1	GD05104140	100kΩ
RS48	1	1	GD05104140	100kΩ
RS81	1	1	GD05104140	100kΩ
RS83	1	1	GD05473140	47kΩ
RS84	1	1	GD05473140	47kΩ
RS85	1	1	GD05473140	47kΩ
RS86	1	1	GD05154140	150kΩ
RS87	1	1	GD05473140	47kΩ
RS88	1	1	GD05473140	47kΩ
RS89	1	1	GD05473140	47kΩ
RS90	1	1	GD05104140	100kΩ
RS91	1	1	GD05104140	100kΩ
RS92	1	1	GD05104140	100kΩ
RS93	1	1	GD05104140	100kΩ
RS94	1	1	GG05391120	390Ω 1/2W
RS95	1	1	GG05391120	390Ω 1/2W
QG01	1	1	HC10092050	IC TC9154P
QG02	1	1	HC10021090	IC NTM4560D-D
QG03	1	1	HC406600B0	IC IC-4066
QG04	1	1	HC10021090	IC NJM4560D-D
PS00-SEMICONDUCTORS				
QS01	1	1	HC10091050	IC TC9152P
QS02	1	1	HC10090050	IC TC9151P
QS03	1	1	HC10021090	IC NJM4560DD
QS04	1	1	HC10021090	IC NJM4560DD
QS05	1	1	HC10021090	IC NJM4560DD
QS06	1	1	HC406600B0	IC IC-4066
QS81	1	1	HC10048050	IC TC5066BP
QS82	1	1	HD30036010	Zener HZ6L
QS83	1	1	HD30036010	Zener HZ6L
QS84	1	1	HD20001000	Diode 1S1555
QS85	1	1	HD20001000	Diode 1S1555
PS00-MISCELLANEOUS				
JG01	1	1	YJ07000870	Jack HBRB4S-1J Output
JG02	1	1	YJ07000870	Jack HBRB4S-1J VR-Control
JS01	1	1	YT02040480	Terminal, RCA Pin Jack
JS01	1	1	YT02040470	Terminal, RCA Pin Jack
JS02	1	1	YT02040480	Terminal, RCA Pin Jack
JS02	1	1	YT02040470	Terminal, RCA Pin Jack
JS03	1	1	YT02040480	Terminal, RCA Pin Jack
JS03	1	1	YT02040470	Terminal, RCA Pin Jack
JS04	1	1	YT02040480	Terminal, RCA Pin Jack
JS04	1	1	YT02040470	Terminal, RCA Pin Jack
JS05	1	1	YJ06002460	Jack Function Control
JS06	1	1	YJ06002270	Jack REC Out Control

REF. DESIG.	Q'TY		PART NO.	DESCRIPTION
	U	P		
JS07	1	1	YJ07000860	Jack, Phono Input
JS08	1	1	YJ07000850	Jack, Remote Control
JS09	1	1	YJ07000860	Jack, PRI Output
JS10	1	1	YJ07000860	Jack, Main Input
JS11	1	1	YQ01000050	Plug, Shote
JS11	1	1	YQ01000040	Plug, Shote
JS12	1	1	YQ01000050	Plug, Shote
JS12	1	1	YQ01000040	Plug, Shote
JS51	1	1	YJ07000870	Jack, HBRB4S-1J Jumper
JS52	1	1	YJ07000870	Jack, HBRB4S-1J Jumper
JS81	1	1	YJ07000860	Jack, HBRB3S-1J Power
PW00-SPEAKER OUTPUT CIRCUIT BOARD				
PW00	1	1	YK250H1530	P.W. Board, Speaker Output
	1	1	ZZ250H1530	P.W. Board Assembly
	1	1	ZZ250H7530	P.W. Board Assembly
PW00-RESISTORS (All Resistors are ±5% & 1/4W)				
RW01	1	1	GD05100140	10Ω
PW00-SEMICONDUCTORS				
QW01	1	1	HD20001000	Diode 1S1555
QW02	1	1	HD20001000	Diode 1S1555
PW00-MISCELLANEOUS				
JW01	1	1	YT03080010	Terminal (8P) Speaker Out
JW02	1	1	YT02020390	Terminal (2P) Remote Control
JW03	1	1	YT02020400	Terminal (2P) Easy Control
JW04	1	1	YJ07000850	Jack (2P) 5V in
JW05	1	1	YJ07000850	Jack (2P) 5V to L.E.D.
JW11	1	1	YJ07000850	Jack (2P) Easy/Remote
PO00-POWER SWITCH CIRCUIT BOARD				
JY91	1	1	YJ07000850	Jack (2P)
JY92	1	1	YJ07000860	Jack (3P)
PO00-POWER SWITCH CIRCUIT BOARD				
P000	1	1	YK250H1540	P.W. Board, Power Switch
	1	1	ZZ250H1540	P.W. Board Assembly
	1	1	ZZ250H7540	P.W. Board Assembly
PO00-CAPACITORS				
△G001	1	1	DK18103840	Ceramic 0.01μF
PO00-MISCELLANEOUS				
△S001	1	1	SP01010240	Push Switch, Power
△S001	1	1	SP01010390	Push Switch, Power
PL00-LOGIC CONTROL CIRCUIT BOARD				
PL00	1	1	YK250H2510	P.W. Board, Logic Control
	1	1	ZZ250H2510	P.W. Board Assembly
	1	1	ZZ250H7510	P.W. Board Assembly
PL00-CAPACITORS				
CL01	1	1	DK16221300	Ceramic 220pF
CL02	1	1	DK16221300	Ceramic 220pF
CL03	1	1	DA17103010	Ceramic 0.01μF
CL04	1	1	DA17103010	Ceramic 0.01μF
CL05	1	1	DA17103010	Ceramic 0.01μF
CR01	1	1	EA22801630	Elect 2200μF 16V
CR02	1	1	EA22801630	Elect 2200μF 16V
CR04	1	1	EA10505030	Elect 1μF 50V

REF. DESIG.	Q'TY		PART NO.	DESCRIPTION
	U	P		
PL00-RESISTORS (All Resistors are ±5% & 1/4W)				
RE51	1	1	RS03030010	Variable 30kΩ Treble
RE52	1	1	RS03030010	Variable 30kΩ Bass
RL01	1	1	GD05470140	47Ω
RL02	1	1	GD05470140	47Ω
RL03	1	1	GD05470140	47Ω
RL04	1	1	GD05470140	47Ω
RL05	1	1	GD05470140	47Ω
RL06	1	1	GD05470140	47Ω
RL07	1	1	GD05470140	47Ω
RL08	1	1	GD05472140	4.7kΩ
RL09	1	1	GD05472140	4.7kΩ
RL10	1	1	GD05472140	4.7kΩ
RL11	1	1	GD05472140	4.7kΩ
RL12	1	1	GD05472140	4.7kΩ
RL13	1	1	GD05472140	4.7kΩ
RL14	1	1	GD05472140	4.7kΩ
RL15	1	1	GD05473140	47kΩ
RL16	1	1	GD05473140	47kΩ
RL17	1	1	GD05473140	47kΩ
RL18	1	1	GD05473140	47kΩ
RL19	1	1	GD05473140	47kΩ
RL20	1	1	GD05473140	47kΩ
RL21	1	1	GD05473140	47kΩ
RL22	1	1	GD05104140	100kΩ
RL23	1	1	GD05104140	100kΩ
RL24	1	1	GD05104140	100kΩ
RL25	1	1	GD05104140	100kΩ
RL26	1	1	GD05104140	100kΩ
RL27	1	1	GD05104140	100kΩ
RL28	?	12	GD05103140	10kΩ
RL39				
RL40	?	11	GD05104140	100kΩ
RL50				
RL51	1	1	GD05473140	47kΩ
RL52	1	1	GD05473140	47kΩ
RL53	1	1	GD05103140	10kΩ
RL54	1	1	GD05103140	10kΩ
RL55	1	1	GD05473140	47kΩ
RL56	1	1	GD05473140	47kΩ
RL57	1	1	GD05472140	4.7kΩ
RL58	1	1	GD05102140	1kΩ
RL59	1	1	GD05103140	10kΩ
RL60	1	1	GD05103140	10kΩ
RL61	1	1	GD05105140	1MΩ
RL63	1	1	GD05103140	10kΩ
RL64	1	1	GD05103140	10kΩ
RL65	1	1	GD05103140	10kΩ
RL66	1	1	GD05103140	10kΩ
RL67	1	1	GD05103140	10kΩ
RL68	1	1	GD05103140	10kΩ
RL69	1	1	GD05681140	680Ω
RL71	1	1	GD05273140	27kΩ
RL72	1	1	GD05473140	47kΩ
RL73	1	1	GD05473140	47kΩ

REF. DESIG.	Q'TY		PART NO.	DESCRIPTION
	U	P		
PL00-RESISTORS (All Resistors are ±5% & 1/4W)				
RR01	1	1	GD05103140	10kΩ
RR02	1	1	GD05104140	100kΩ
RR03	1	1	GD05473140	47kΩ
RR04	1	1	GD05473140	47kΩ
RR05	1	1	GD05104140	100kΩ
RR06	1	1	GD05563140	56kΩ
RR07	1	1	GD05104140	100kΩ
RR08	1	1	GD05563140	56kΩ
RR09	1	1	GD05102140	1kΩ
RR10	1	1	GD05152140	1.5kΩ
RR11	1	1	GD05102140	1kΩ
RR12	1	1	GD05223140	22kΩ
RR15	1	1	GD05223140	22kΩ
RR16	1	1	GD05223140	22kΩ
RR17	1	1	GD05223140	22kΩ
PL00-SEMICONDUCTORS				
QL01	1	1	HT206412C0	Transistor 2SB641
QL02	1	1	HT206412C0	Transistor 2SB641
QL03	1	1	HT206412C0	Transistor 2SB641
QL04	1	1	HT206412C0	Transistor 2SB641
QL05	1	1	HT206412C0	Transistor 2SB641
QL06	1	1	HT206412C0	Transistor 2SB641
QL07	1	1	HT206412C0	Transistor 2SB641
QL08	1	1	HC10094050	IC TD62104P
QL09	1	1	HC10133030	IC LL6502C
QL10	1	1	HC10048050	IC TC5066BP
QL11	1	1	HC10121030	IC LM6416E
QL12	1	1	HT406362B0	Transistor 2SD636
QL13	1	1	HT406362B0	Transistor 2SD636
QL14	1	12	HD20001000	Diode 1S1555
QL25				
QL26	1	1	HD30045010	Zener HZ9L-1C
QR01	1	1	HT406362B0	Transistor 2SD636
QR02	1	1	HT406362B0	Transistor 2SD636
QR03	1	1	HT406363B0	Transistor 2SD636
QR04	1	1	HD20001000	Diode 1S1555
QR05	1	1	HD20001000	Diode 1S1555
QR06	1	1	HD20001000	Diode 1S1555
QR07	1	1	HD20001000	Diode 1S1555
QR08	1	1	HD20001000	Diode 1S1555
QR10	1	1	HT206412C0	Transistor 2SB641
QR11	1	1	HD30025060	Zener RD3.3E-B1
QY91	1	1	BA20001210	Digi Tra. DTC124F
QY92	1	1	BA20001210	Digi Tra. DTC124F
QY93	1	1	HD20001000	Diode 1S1555
QY94	1	1	HD20001000	Diode 1S1555
PL00-MISCELLANEOUS				
JL01	1	1	YP07001430	Plug (6P)
JL02	1	1	YP07001440	Plug (7P)
JL03	1	1	YP07001440	Plug (7P)
XL01	1	1	FC04003020	Seramic, Vibrator (400kHz)

REF. DESIG.	Q'TY		PART NO.	DESCRIPTION		REF. DESIG.	Q'TY		PART NO.	DESCRIPTION	
	U	P					U	P			
PY00	1	1	YK250H2520	PY00-FRONT LED SWITCH CIRCUIT BOARD P.W. Board, Front Led Switch P.W. Board Assembly		RT01	1	1	GD05561140	PT00-RESISTORS (All Resistors are ±5% & 1/4W)	
	1	1	ZZ250H2520			RT02	1	1	GD05561140	560Ω	
				PY00-RESISTORS (All Resistors are ±5% & 1/4W)		ST01	1	1	SP04020380	560Ω	
RY01	11	11	GD05820140		82Ω	PT50	1	1	YK250H2540	PT00-MISCELLANEOUS Push Switch, Speaker	
RY11						1	1		ZZ250H2540	PT50-SPEAKER L.E.D.	
RY12	1	1	GD05680140		68Ω	QT51	1	1	HI10028320	CIRCUIT BOARD	
RY15						QT52	1	1	HI10028320	P.W. Board, Speaker L.E.D.	
RY16	9	9	GD05820140		82Ω	JT51	1	1	YJ07000990	P.W. Board Assembly	
RY24						PW50	1	1	YK250H2550	PT50-SEMICONDUCTORS L.E.D. GL-9HD4	
RY25			GD05680140		68Ω	1	1	ZZ250H2550	L.E.D. GL-9HD4		
RY31				PY00-SEMICONDUCTOR		RW51	1	1	GA05331020	PT50-MISCELLANEOUS Jack (3P)	
QY01	26	26	HD20001000	Diode	1S1555	RW52	1	1	GA05331020	PW50-HEAD PHONE	
QY26						JW51	1	1	YJ01001790	CIRCUIT BOARD	
QY27	5	5	HI10022320	L.E.D.	GL-5NG10	JW52	1	1	YJ07000860	P.W. Board, Head Phone	
QY31						P700	1	1	YG250H0010	P.W. Board Assembly	
QY32	7	7	HI10023320	L.E.D.	GL-5HD10	1	1	ZZ250H0010	PW50-MISCELLANEOUS Jack, Head Phone		
QY37						C401	1	1	EA47505030	Jack (3P)	
QY38	1	1	HI10053020	L.E.D.	LN842RP	C402	1	1	EA47505030	P700-MAIN AMP. CIRCUIT BOARD	
QY39	1	1	HI10053020	L.E.D.	LN842RP	C403	1	1	DD15820370	P.W. Board, Main Amp	
QY40	1	1	HI10053020	L.E.D.	LN842RP	C404	1	1	DD15820370	P.W. Board Assembly	
QY41	1	1	HI10053020	L.E.D.	LN842RP	C405	1	1	DK16681300	P700-CAPACITORS	
QY42	1	1	HI10027320	L.E.D.	GL-9HD24	C406	1	1	DK16681300	Elect 4.7μF	50V
QY43	1	1	HI10023320	L.E.D.	GL-5HD10	C407	1	1	EA22800630	Elect 4.7μF	50V
QY44	1	1	HI10027320	L.E.D.	GL-9HD24	C408	1	1	EA22800630	Ceramic 82pF	50V
QY45	1	1	HI10023320	L.E.D.	GL-5HD10	C409	1	1	DF15473310	Ceramic 82pF	50V
QY46	1	1	HI10023320	L.E.D.	GL-5HD10	C410	1	1	DF15473310	Ceramic 680pF	50V
QY47	1	1	HI10023320	L.E.D.	GL-5HD10	C406	1	1	DK16681300	Ceramic 680pF	50V
QY48	1	1	HI10023320	L.E.D.	GL-5HD10	C407	1	1	EA22800630	Elect 2200μF	6.3V
QY49	1	1	HI10028320	L.E.D.	GL-9HD4	C408	1	1	EA22800630	Elect 2200μF	6.3V
QY50	1	1	HI10028320	L.E.D.	GL-9HD4	C409	1	1	DF15473310	Film 0.047μF	±5%
QY51	1	1	HQ10201050	Display	TLG322	C410	1	1	DF15473310	Film 0.047μF	±5%
				PY00-MISCELLANEOUS		C411	1	1	DF15332310	Film 3300pF	±5%
JY01	1	1	YP07001410	Plug (6P)		C412	1	1	DF15332310	Film 3300pF	±5%
JY02	1	1	YP07001420	Plug (7P)		C413	1	1	DF15103310	Film 0.01μF	±5%
JY03	1	1	YP07001420	Plug (7P)		C414	1	1	DF15103310	Film 0.01μF	±5%
SY01	26	26	SP01010570	Push Switch		C415	1	1	EA47505030	Elect 4.7μF	50V
SY26						C416	1	1	EA47505030	Elect 4.7μF	50V
						C417	1	1	DF15472310	Film 4700pF	±5%
						C418	1	1	DF15472310	Film 4700pF	±5%
						C419	1	1	EA22702530	Elect 220μF	25V
						C420	1	1	EA22702530	Elect 220μF	25V
PT00	1	1	YK250H2530	PT00-SPEAKER SWITCH CIRCUIT BOARD							
	1	1	ZZ250H2530	P.W. Board, Speaker Switch P.W. Board Assembly							

REF. DESIG.	Q'TY		PART NO.	DESCRIPTION		
	U	P				
C421	1	1	DK17103300	Ceramic	0.01μF	50V
C451	1	1	EA22505030	Elect	2.2μF	50V
C452	1	1	EA22505030	Elect	2.2μF	50V
C453	1	1	EA33610030	Elect	33μF	100V
C751	1	1	DK16221550	Ceramic	220pF	
C752	1	1	DK16221550	Ceramic	220pF	
C753	1	1	DK16221550	Ceramic	220pF	
C754	1	1	DK16221550	Ceramic	220pF	
C755	1	1	DF15104300	Film	0.1μF ±5%	
C756	1	1	DF15104300	Film	0.1μF ±5%	
C757	1	1	DF15104300	Film	0.1μF ±5%	
C758	1	1	DF15104300	Film	0.1μF ±5%	
C759	1	1	EA47410030	Elect	0.47μF	100V
C760	1	1	EA47410030	Elect	0.47μF	100V
C761	1	1	EA47410030	Elect	0.47μF	100V
C762	1	1	EA47410030	Elect	0.47μF	100V
C801	1	1	DK18103560	Ceramic	0.01μF	
C802	1	1	DK18103560	Ceramic	0.01μF	
△C803	1	1	DK18103560	Ceramic	0.01μF	
△C804	1	1	DK18103560	Ceramic	0.01μF	
△C805	1	1	DK18103560	Ceramic	0.01μF	
△C806	1	1	DK18103560	Ceramic	0.01μF	
△C807	1	1	EB15903510	Elect	15000μF	35V
△C808	1	1	EB15903510	Elect	15000μF	35V
△C809	1	1	EB15903510	Elect	15000μF	35V
△C810	1	1	EB15903510	Elect	15000μF	35V
C811	1	1	EA33703530	Elect	330μF	35V
C812	1	1	EA33703530	Elect	330μF	35V
C813	1	1	EA47602530	Elect	47μF	25V
C814	1	1	EA47602530	Elect	47μF	25V
C815	1	1	EA10702530	Elect	100μF	25V
C816	1	1	EA10702530	Elect	100μF	25V
C817	1	1	EA10801630	Elect	1000μF	16V
C818	1	1	EA47602530	Elect	47μF	25V
C819	1	1	EA10701630	Elect	100μF	16V
CU01	1	1	DK16561300	Ceramic	680pF	
CU02	1	1	DK16561300	Ceramic	680pF	
CU03	1	1	EA10601630	Elect	10μF	16V
△CU04	1	1	DF15103310	Film	0.01μF ±5%	
CU05	1	1	DK16151300	Ceramic	150pF	50V
CU06	1	1	DK16151300	Ceramic	150pF	50V
CU07	1	1	DD15220370	Ceramic	22pF	50V
CN01	1	1	EA47405030	Elect	0.47μF	50V
CN02	1	1	EA47601030	Elect	47μF	10V
CN03	1	1	EA22601630	Elect	22μF	16V
CN04	1	1	EA10505030	Elect	1μF	50V
CN05	1	1	DF16152300	Film	1500pF ±10%	
CN06	1	1	DF16152300	Film	1500pF ±10%	
CN07	1	1	DF16152300	Film	1500pF ±10%	
CN08	1	1	DF16152300	Film	1500pF ±10%	
CN09	1	1	EA22605030	Elect	22μF	50V
CN10	1	1	EA10505030	Elect	1μF	50V
CN11	1	1	EA10505030	Elect	1μF	50V
CN12	1	1	EA10505030	Elect	1μF	50V
CN13	1	1	EA10505030	Elect	1μF	50V

REF. DESIG.	Q'TY		PART NO.	DESCRIPTION	
	U	P			
R401	1	1	GD05154140	P700-RESISTORS <i>(All Resistors are ±5% & 1/4W)</i>	
R402	1	1	GD05154140		150kΩ
R403	1	1	GD05101140		150kΩ
R404	1	1	GD05101140		100Ω
R405	1	1	GD05683140		100Ω
R406	1	1	GD05683140		68kΩ
R407	1	1	GD05220140		68kΩ
R408	1	1	GD05220140		22Ω
R409	1	1	GD05391140		22Ω
R410	1	1	GD05391140		390Ω
R411	1	1	GD05472140		390Ω
R412	1	1	GD05472140		4.7kΩ
R413	1	1	GD05472140		4.7kΩ
R414	1	1	GD05472140		4.7kΩ
R415	1	1	GD05472140		4.7kΩ
R416	1	1	GD05472140		4.7kΩ
R417	1	1	GD05120140		12Ω
R418	1	1	GD05120140		12Ω
R419	1	1	GD05121140		120Ω
R420	1	1	GD05121140		120Ω
R421	1	1	GD05683140		68kΩ
R422	1	1	GD05683140		68kΩ
R423	1	1	GD05562140		5.6kΩ
R424	1	1	GD05562140		5.6kΩ
R425	1	1	GD05561140		560Ω
R426	1	1	GD05561140		560Ω
R427	1	1	GD05104140		100kΩ
R428	1	1	GD05104140		100kΩ
R429	1	1	GG05271140		270Ω
R430	1	1	GG05271140		270Ω
R431	1	1	GD05121140		120Ω
R432	1	1	GD05121140		120Ω
R451	1	1	GD05103140		10kΩ
R452	1	1	GD05103140		10kΩ
R453	1	1	GD05103140		10kΩ
R454	1	1	GD05472140		4.7kΩ
R456	1	1	GD05103140		10kΩ
R457	1	1	GD05222140		2.2kΩ
R458	1	1	GD05222140		2.2kΩ
R459	1	1	GD05222140		2.2kΩ
R460	1	1	GD05222140		2.2kΩ
R461	1	1	GC05101140		100Ω
R462	1	1	GC05101140		100Ω
R463	1	1	RF05101120	Fusible	100Ω 1/2W
R464	1	1	GG05100120		10Ω 1/2W
△R751	1	1	GG05151120		150Ω 1/2W
△R752	1	1	GG05151120		150Ω 1/2W
△R753	1	1	GG05100140		10Ω
△R754	1	1	GG05100140		10Ω
△R755	1	1	GG05100140		10Ω
△R756	1	1	GG05100140		10Ω
△R757	1	1	BW10000060		0.22Ω 5W x 2
△R758	1	1	BW10000060		0.22Ω 5W x 2
R761	1	1	GA05047010		4.7Ω 1W
R762	1	1	GA05047010		4.7Ω 1W

REF. DESIG.	Q'TY		PART NO.	DESCRIPTION		REF. DESIG.	Q'TY		PART NO.	DESCRIPTION	
	U	P					U	P			
R763	1	1	GA05047020	4.7Ω	2W	RU11	1	1	GD05104140	100kΩ	
R764	1	1	GA05047020	4.7Ω	2W	RU12	1	1	GD05104140	100kΩ	
R765	1	1	GA05100140	10Ω		RU13	1	1	GD05393140	39kΩ	
R766	1	1	GG05100140	10Ω		RU14	1	1	GD05393140	39kΩ	
R767	1	1	GG05100140	10Ω		RU15	1	1	GD05104140	100kΩ	
R768	1	1	GG05100140	10Ω		RU16	1	1	GD05104140	100kΩ	
R804	1	1	GD05102140	10kΩ		RU17	1	1	GD05473140	47kΩ	
R805	1	1	GD05102140	10kΩ		RU18	1	1	GD05222140	2.2kΩ	
R806	1	1	GD05102140	10kΩ		RU19	1	1	GD05152140	1.5kΩ	
R807	1	1	RF05270120	Fusible	27Ω 1/4W	RU20	1	1	GG05222120	2.2kΩ 1/4W	
R808	1	1	RF05270120	Fusible	27Ω 1/4W	RU21	1	1	GG05222120	2.2kΩ 1/4W	
R810	1	1	GG05100120		10Ω 1/4W	RU22	1	1	GG05152140	1.5kΩ	
RN01	1	1	GD05473140	47kΩ		RU23	1	1	GG05152140	1.5kΩ	
RN02	1	1	GD05683140	68kΩ		RU24	1	1	GG05102140	1kΩ	
RN03	1	1	GD05683140	68kΩ		RU25	1	1	GG05101140	100Ω	
RN04	1	1	GD05273140	27kΩ		RU26	1	1	GG05101140	100Ω	
RN05	1	1	GD05683140	68kΩ							P700-SEMICONDUCTORS
RN06	1	1	GD05224140	220kΩ		Q401	1	1	HF201702B0	F.E.T.	2SK170 (GR or BL)
RN07	1	1	GD05273140	27kΩ		Q402	1	1	HF201702B0	F.E.T.	2SK170 (GR or BL)
RN08	1	1	GA05222010	2.2kΩ		Q403	1	1	HF201702B0	F.E.T.	2SK170 (GR or BL)
RN09	1	1	GD05104140	100kΩ		Q404	1	1	HF201702B0	F.E.T.	2SK170 (GR or BL)
RN10	1	1	GD05683140	68kΩ		Q405	1	1	HC10008090	IC	NJM4558DD
RN11	1	1	GD05683140	68kΩ		Q451	1	1	HC10003090	IC	NJM4558D
RN12	1	1	GD05333140	33kΩ		Q452	1	1	HT409852B0	Transistor	2SD985 (L or K)
RN13	1	1	GD05153140	15kΩ		Q453	1	1	HT409852B0	Transistor	2SD985 (L or K)
RN14	1	1	GG05682140	6.8kΩ							
RN15	1	1	GG05682140	6.8kΩ		Q751	1	1	HT323442A0	Transistor	2SC2344 (D or E)
RN16	1	1	GG05682140	6.8kΩ		Q752	1	1	HT323442A0	Transistor	2SC2344 (D or E)
RN17	1	1	GG05682140	6.8kΩ		Q753	1	1	HT110112A0	Transistor	2SA1011 (D or E)
RN18	1	1	GD05183140	18kΩ		Q754	1	1	HT110112A0	Transistor	2SA1011 (D or E)
RN19	1	1	GD05183140	18kΩ		Q755	1	1	HT328372B0	Transistor	2SC2837 (O or Y)
RN20	1	1	GG05271140	270Ω		Q756	1	1	HT328372B0	Transistor	2SC2837 (O or Y)
RN21	1	1	GG05221140	270Ω		Q757	1	1	HT111862B0	Transistor	2SA1186 (O or Y)
RN22	1	1	GG05271140	270Ω		Q758	1	1	HT111862B0	Transistor	2SA1186 (O or Y)
RN23	1	1	GG05271140	270Ω		Q759	1	1	HV00009080	Varistor	STV-3HR (O or Y)
RN24	1	1	GD05273140	27kΩ		Q760	1	1	HV00009080	Varistor	STV-3HR (O or Y)
RN25	1	1	GD05222140	2.2kΩ							
RN26	1	1	GD05104140	100kΩ		Q761	1	1	HD20005010	Diode	W06B
RN27	1	1	GD05471140	470Ω		Q762	1	1	HD20005010	Diode	W06B
RN28	1	1	GD05471140	470Ω		Q763	1	1	HD20005010	Diode	W06B
RN29	1	1	GD05471140	470Ω		Q764	1	1	HD20005010	Diode	W06B
RN30	1	1	GD05471141	270Ω							
RU01	1	1	GD05103140	10kΩ		△Q801	1	1	HD20008290	Diode	S4VB20
RU02	1	1	GD05103140	10kΩ		△Q802	1	1	HE20009290	Diode	S5VB20
RU03	1	1	GD05103140	10kΩ							
RU04	1	1	GD05103140	10kΩ		Q803	1	1	HD20015030	Diode	DS135D
RU05	1	1	GD05102140	1kΩ		Q804	1	1	HD20015030	Diode	DS135D
RU06	1	1	GD05102140	1kΩ		Q805	1	1	HD20015030	Diode	DS135D
RU07	1	1	GD05393140	39kΩ		Q806	1	1	HD20015030	Diode	ES135D
RU08	1	1	GD05393140	39kΩ		Q807	1	1	HT403132P0	Transistor	2SD313 (D or E)
RU09	1	1	GD05332140	3.3kΩ		Q808	1	1	HT205072P0	Transistor	2SB507 (D or E)
RU10	1	1	GD05332140	3.3kΩ		Q809	1	1	HD30014010	Zener	HZ16L
						Q810	1	1	HD30014010	Zener	HZ16L
						Q811	1	1	HD20015030	Diode	DS135D
						Q812	1	1	HT403132P0	Transistor	2SD313 (D or E)
						Q813	1	1	HD30044010	Zener	HZ6L-3C

REF. DESIG.	Q'TY U P	PART NO.	DESCRIPTION
QN01	1 1	HC10042050	IC TA7317P
QN02	1 1	HD20003210	Diode 1S2471
QN03	1 1	HD20015030	Diode DS1350
QN04	1 1	HD20001000	Diode 1S1555
QN05	1 1	HD20001000	Diode 1S1555
QN06	1 1	HD20001000	Diode 1S1555
QN07	1 1	HD20001000	Diode 1S1555
QN08	1 1	HT313181R0	Transistor 2SC1318R
QN09	1 1	HT313181R0	Transistor 2SC1318R
QN10	1 1	HT107201R0	Transistor 2SA720R
QN11	1 1	HT107201R0	Transistor 2SA720R
QN12	1 1	HD20002210	Diode 1S2472
QN13	1 1	HD20002210	Diode 1S2472
QN14	1 1	HD20002210	Diode 1S2472
QN15	1 1	HD20002210	Diode 1S2472
QN16	1 1	HT313181R0	Transistor 2SC1318R
QN17	1 1	HT313181R0	Transistor 2SC1318R
QN18	1 1	HT107201R0	Transistor 2SA720R
QU01	1 1	HD30044010	Zener HZ6L-3C
QU02	1 1	HD30044010	Zener HZ6L-3C
QU03	1 1	HD10003030	Diode 1S188FM
QU04	1 1	HD10003030	Diode 1S188FM
QU05	1 1	HD10003030	Diode 1S188FM
QU06	1 1	HD10003030	Diode 1S188FM
QU07	1 1	HC10022090	IC NJM2903D
QU08	1 1	HC712200A0	IC HD74LS122P
QU09	1 1	HT410652B0	Transistor 2SD1065
QU10	1 1	HT208292B0	Transistor 2SB829
QU11	1 1	HT323441D0	Transistor 2SC2344D
QU12	1 1	HT110111D0	Transistor 2SA1011D
QU13	1 1	HT327852C0	Transistor 2SC2785 (HF or FF)
QU14	1 1	HT111752C0	Transistor 2SA1175 (HF or FF)
QU15	1 1	HT327852C0	Transistor 2SC2785 (HF or FF)
QU16	1 1	HT111752C0	Transistor 2SA1175 (HF or FF)
QU17	1 1	HD20001000	Diode 1S1555
QU18	1 1	HD20011290	Diode S3V20
QU19	1 1	HD20011290	Diode S3V20
P700-MISCELLANEOUS			
△F801	1 1	FU27215010	Protector Unit (2.7A)
△F802	1 1	FU27215010	Protector Unit (2.7A)
△F803	1 1	FU27215010	Protector Unit (2.7A)
J401	1	YT02020290	Terminal RCA Pin Jack (2P)
J401	1	YT02020280	Terminal RCA Pin Jack (2P)
J751	1 1	YP06001060	Plug (7P)
J752	1 1	YP06001070	Plug (9P)
L401	1 1	SZ04240020	Solenoid SW (4-2) MM/MC
L751	1 1	LL23905120	Coil, Choke
L752	1 1	LL23905120	Coil, Choke
LN01	1 1	LY20240190	Relay

REF. DESIG.	Q'TY U P	PART NO.	DESCRIPTION
WE01	1 1	YU04100260	P.W. BOARD WIRE PARTS
WE51	1 1	YU04220260	Jumper Lead (JE01-J817)
WE52	1 1	YU04220260	Jumper Lead (WE51-JE03)
WG01	1 1	YU04200260	Jumper Lead (WE52-JE02)
WL01	1 1	YU07320260	Jumper Lead (JG01-JE05)
WL02	1 1	YU08300260	Jumper Lead (WL01-JS05)
WL03	1 1	YU06240260	Jumper Lead (WL02-JS06)
WL04	1 1	YU04280260	Jumper Lead (WL03-JE04)
WL05	1 1	YU04200260	Jumper Lead (WL04-JG02)
WS01	1 1	YU04080260	Jumper Lead (WL05-JS52)
WS07	1 1	YU03200260	Jumper Lead (JS01-WS01)
WS08	1 1	YU02220260	Jumper Lead (JS07-J402)
WS09	1 1	YU03260260	Jumper Lead (JS08-JW11)
WS10	1 1	YU03240260	Jumper Lead (JS09-JE06)
WS51	1 1	YU04120260	Jumper Lead (JS10-JT03)
WS81	1 1	YU03140260	Jumper Lead (JS11-J819)
WT07	1 1	YU03150260	Jumper Lead (JS12-JW52)
WT09	1 1	YU02400260	Jumper Lead (JS13-JW05)
WT10	1 1	YU03120260	Jumper Lead (JS14-JT51)
WW04	1 1	YU02180260	Jumper Lead (JW04-J806)
WY01	1 1	YB00050100	Connective Cord (JY01-JL01)
WY02	1 1	YB00050110	Connective Cord (JY02-JL02)
WY03	1 1	YB00050110	Connective Cord (JY03-JL03)
WY91	1	YU02720260	Jumper Lead (WY91-JY91)

(W01-99)	Assembly and Wiring
(T01-99)	Adjustment
(X01-00)	Correction

NOTE ON SAFETY:
Symbol △ Fire or electrical shock hazard. Only original parts should be used to replace any part marked with symbol △. Any other component substitution (other than original type), may increase risk of fire or electrical shock hazard.

20. TECHNICAL SPECIFICATIONS

MODEL PM730

AMPLIFIER SECTION

Rated Power Output, Minimum Continuous Watts per Channel from 20 Hz to 20 kHz, both Channels driven	70 W
into 8 ohms	
Total Harmonic Distortion (MAIN IN)	0.03 %
at 8 ohms	
I.M. Distortion (MAIN IN)	0.03 %
(IHF method, 60 Hz and 7 kHz mixed 4 : 1 at rated power output)	
at 8 ohms	60
Damping Factor at 20 Hz	

PREAMPLIFIER SECTION

Phono	
Input Overload at 1 kHz	120 mV
Input Sensitivity (Input Impedance, 40 k ohms)	2.5 mV
Frequency Response (RIAA 20 Hz to 20 kHz)	±0.5 dB
Signal to Noise Ratio "A" weighted (at rated output and 10 mV input)	85 dB
Hight Level Inputs (Aux and Tape)	
Input Sensitivity	150 mV
Input Impedance	25 k ohms
Frequency Response	10 Hz ~ 50 kHz ±1 dB
Signal to Noise Ratio "A" weighted (at rated output and 775 mV input)	95 dB
Output Impedance Tape Out	800 ohms

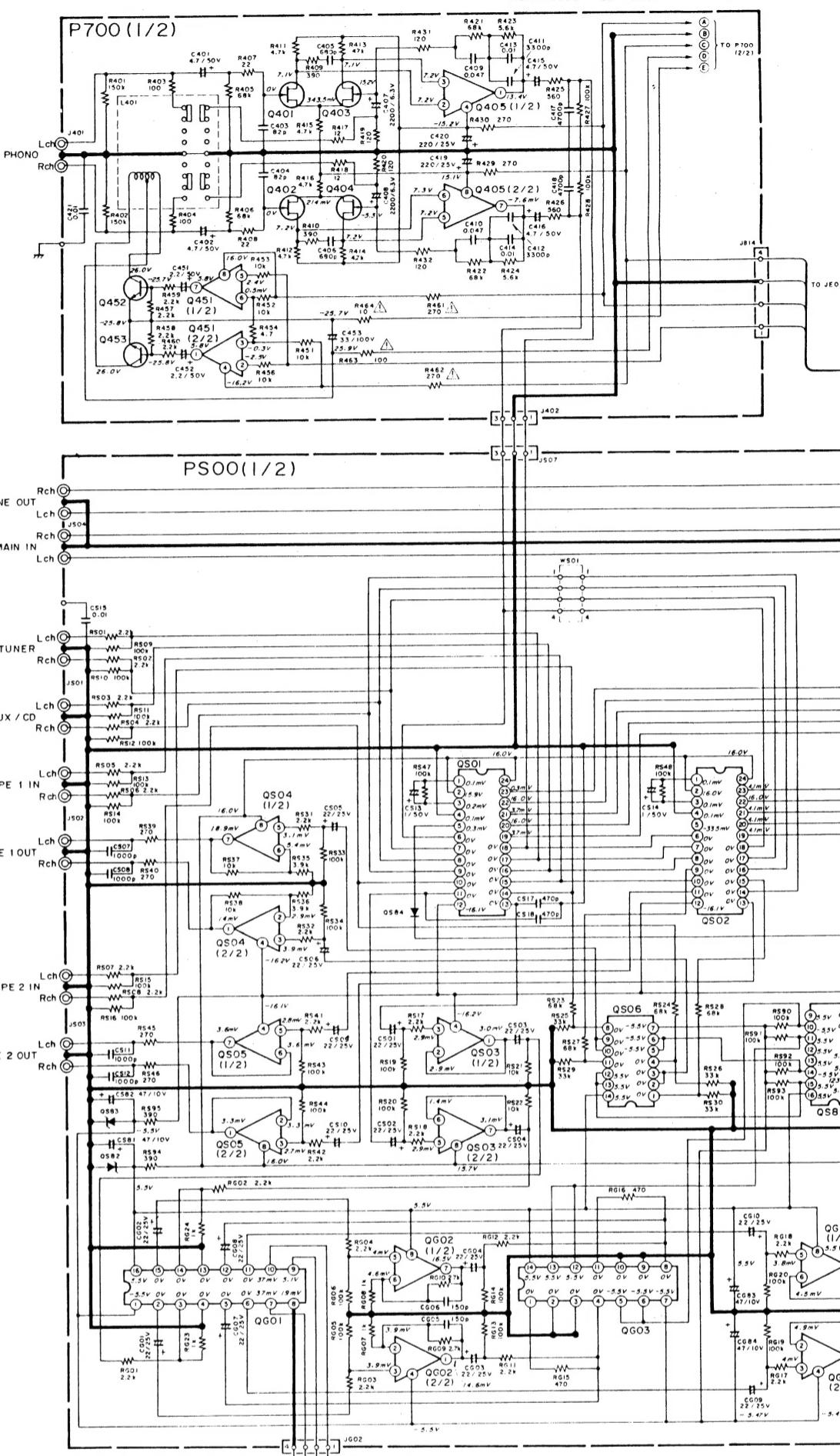
GENERAL

Power Requirements	120 V 60 Hz
Power Consumption at rated output, both channels operating	290 W
Idling Power (Volume Control at zero)	25 W
Dimensions	
Panel Width	416 mm (16-3/8 inches)
Panel Height	100 mm (3-15/16 inches)
Depth	300 mm (11-13/16 inches)
Weight	
Unit alone	8 kg (17.6 lbs)
Packed for Shipment	9 kg (19.8 lbs)

Specifications and appearance are subject to change for modification without notice.

21. SCHEMATIC DIAGRAM

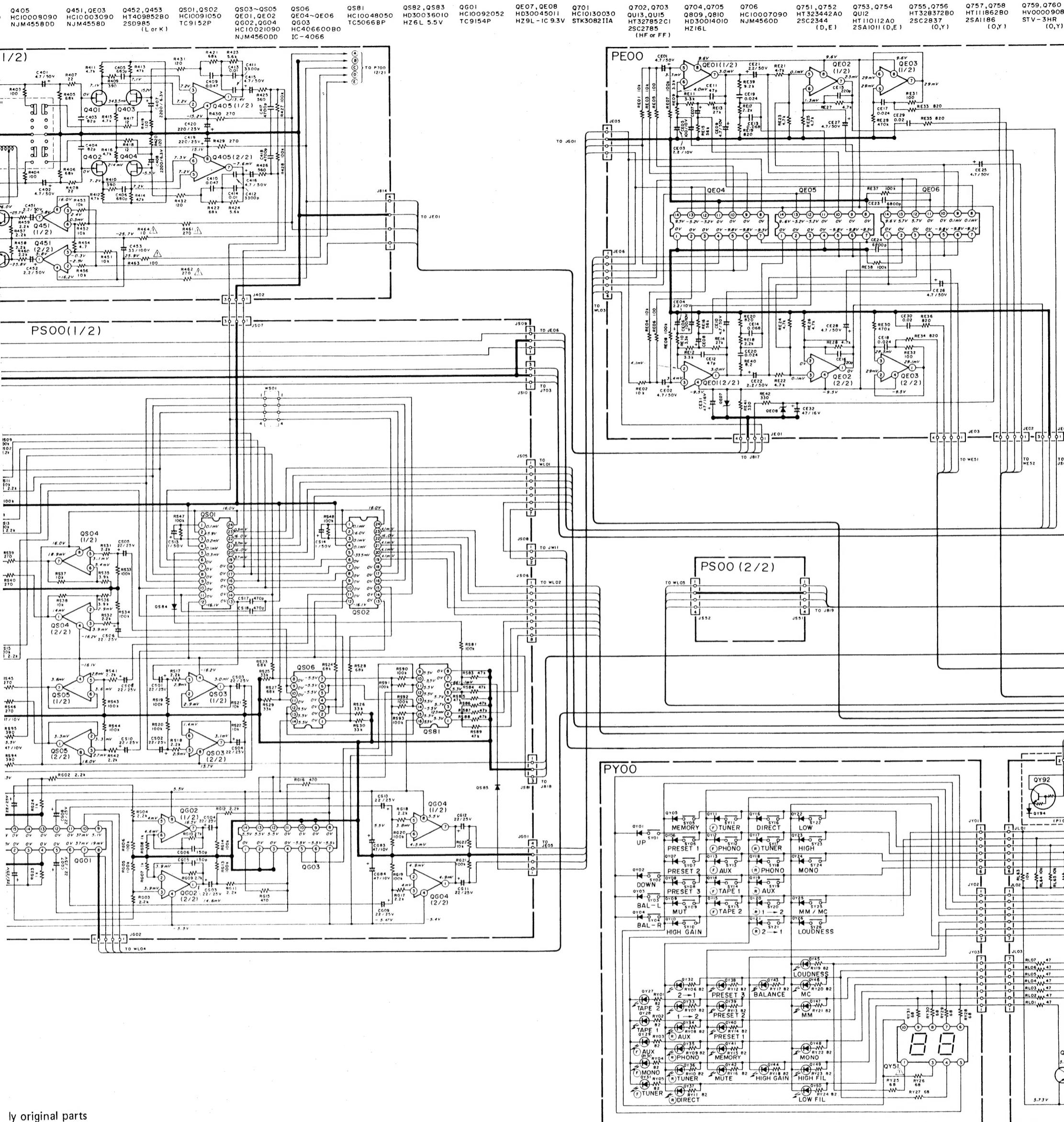
401-0404 Q405 Q451, QE03 0452, 0453 Q501, Q502 Q503~Q505 Q506 QS82 QS82, Q506
 F210720Z B0 HIC01008090 HIC01003090 HT409852B0 HIC01091050 QE01, QE02 QE04~QE06 HC10048050 HD30048050
 SK170 NJM4558D NJM45580 2SD985 (L or K) TC9152P TC9152P QG02, QG04 QG03 TC5066BP HZ6 L 5.5
 (GR, BL)



NOTE ON SAFETY:

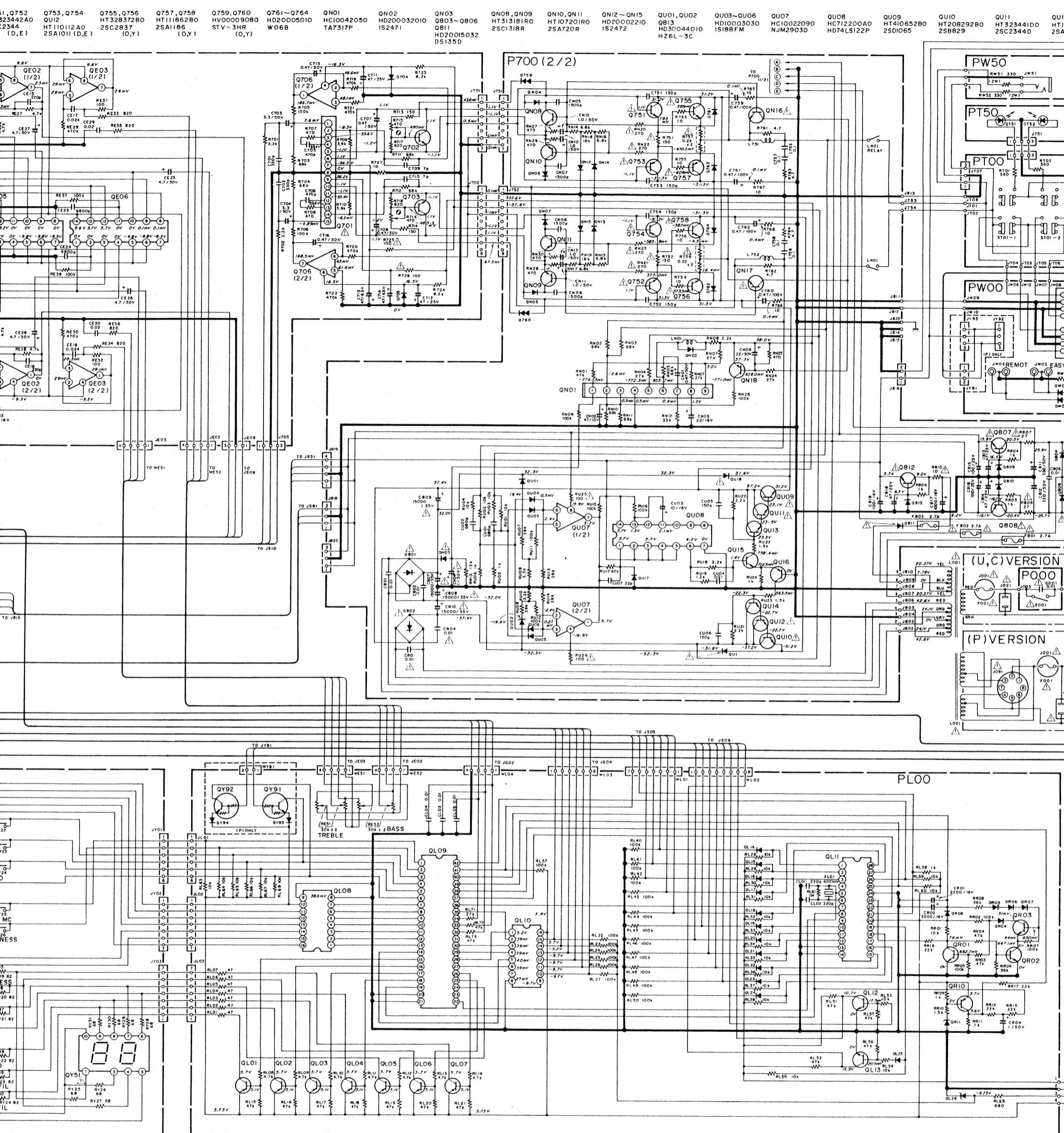
NOTE ON SAFETY:
Symbol  Fire or electrical shock hazard. Only original parts should be used to replace any part marked with symbol  . Any other component substitution (other than original type), may increase risk of fire or electrical shock hazard.

Components and wiring are subject to change for model year.



ly original parts
with symbol A .
· than original
ock hazard.

Components and wiring are subject to change for modification without notice.



MODEL PM730

